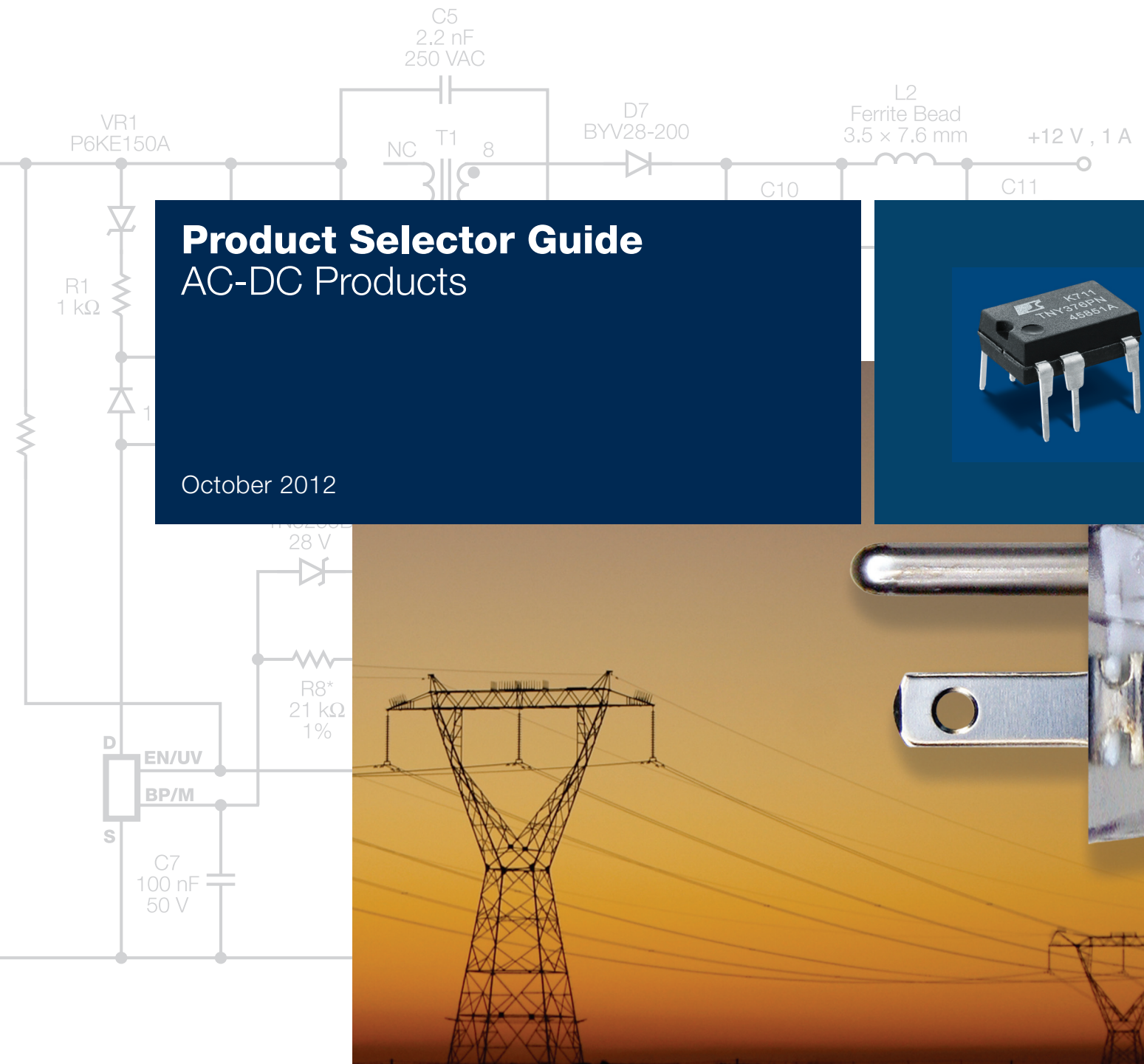
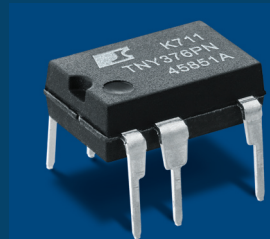


Innovation in power conversion

Product Selector Guide AC-DC Products

October 2012



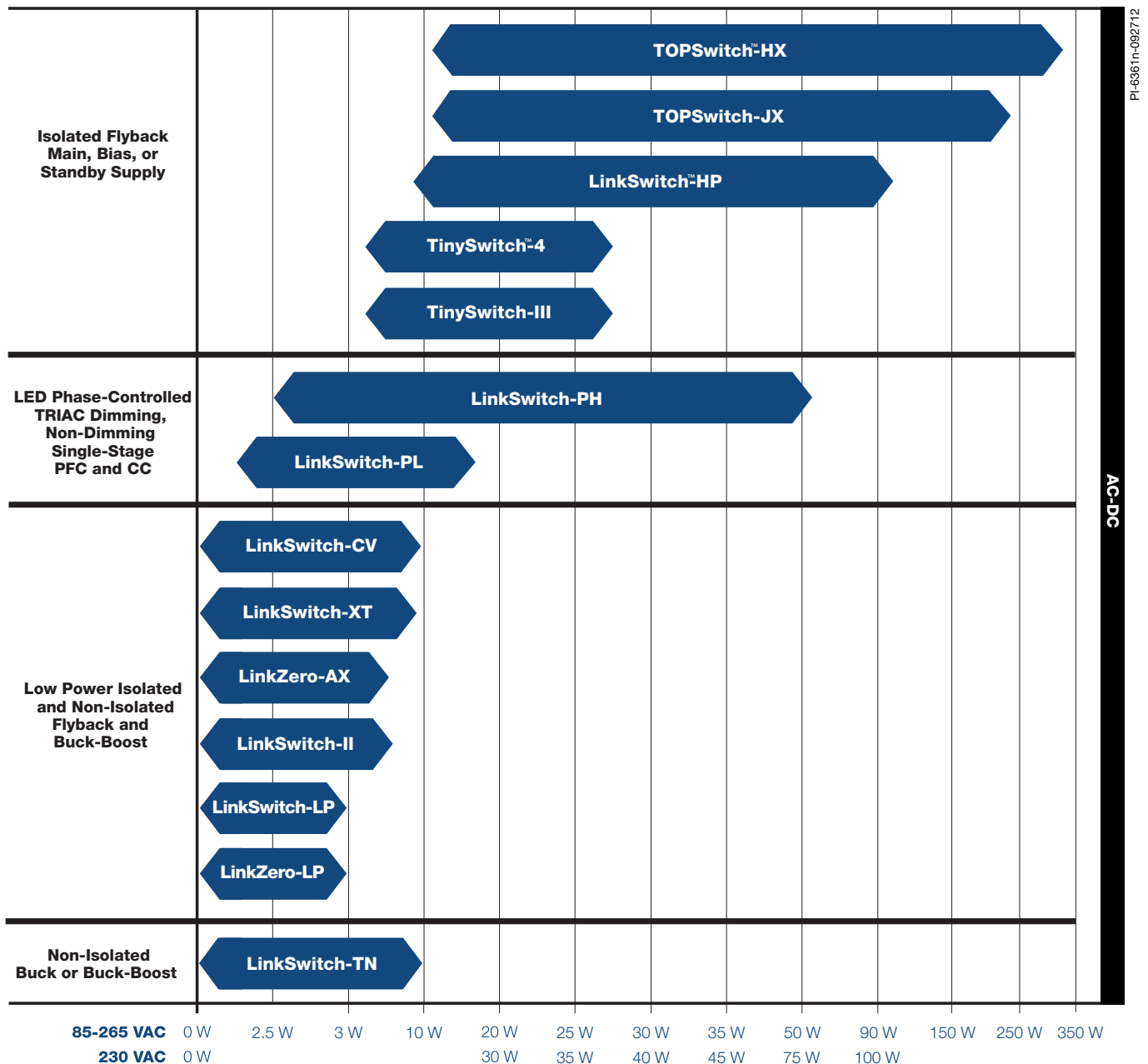
About Power Integrations

Power Integrations is the leading supplier of high-voltage analog integrated circuits used in energy-efficient power supplies. The company's innovative technology enables compact, energy-efficient power converters for a wide range of electronic products, AC-DC, DC-DC and LED lighting applications. With industry-leading product quality and delivery, the company has shipped billions of devices to customers around the world.

Since its introduction in 1998, EcoSmart™ energy-efficiency technology has saved an estimated \$4.5 billion of standby energy waste. These savings equate to approximately 31 billion kilowatt-hours of electricity – an amount which, if produced by coal-burning power plants, would have resulted in approximately 20 million tons of carbon emissions, roughly equal to the annual emissions of 3 million automobiles.

For more information, please visit www.powerint.com.

AC-DC Product Overview



Enabling Predictable Success

Power Integrations' highly integrated ICs enable the design and production of switch-mode power supplies that use up to 70% fewer components compared to discrete solutions. Switchers that incorporate our ICs are smaller, lighter, and more portable than comparable power supplies built with linear transformers.

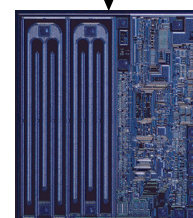
We combine a high-voltage MOSFET switch with a controller on a single chip to provide key power supply functions, such as:

- High-voltage start-up
- Short-circuit and open-loop protection
- Programmable current limit
- Line undervoltage and overvoltage protection
- Output overvoltage protection
- Accurate over-temperature and over-power protection
- Soft-start
- Feedback compensation
- Remote ON/OFF

High-Voltage
MOSFET

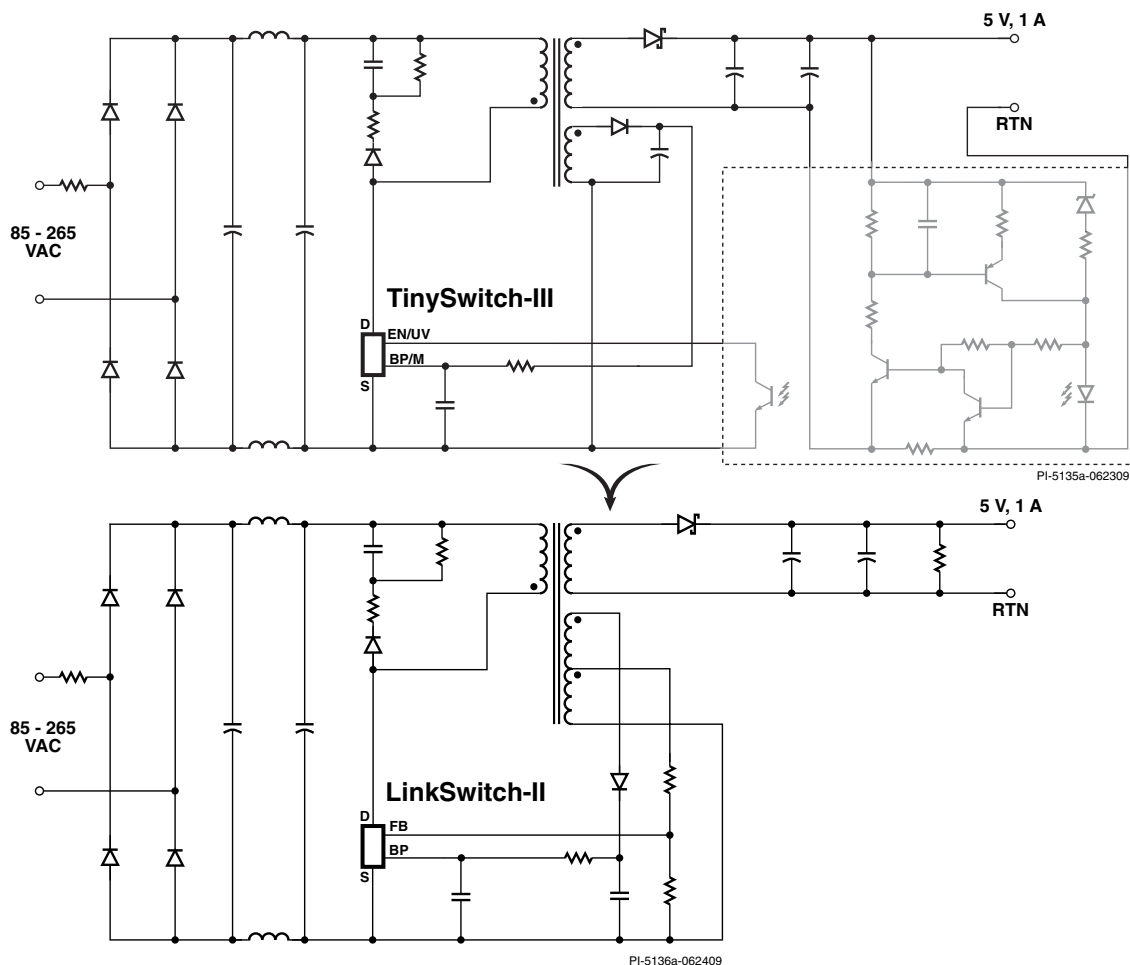


Full-Featured
PSU Controller



Reducing Component Count

LinkSwitch-II dramatically simplifies low-power CV/CC charger designs by eliminating an optocoupler and secondary control circuitry. The device introduces a revolutionary control technique to provide very tight output voltage and current regulation, compensating for transformer and internal parameter tolerances along with input voltage variations.



Energy-Efficient Reference Designs

Application	Reference Design	Output		P _{OUT} at 1 W Input (W)		P _{IN} at No-load (W)		Energy Star EPS v2.0	Meets 1 Watt Standby	Meets EU No-load Spec*	Meets Current EISA Spec**
		Power (W)	Voltage(s) (V)	115 V	230 V	115 V	230 V				
AC Adapter	EP-89	2	6.2	0.62	0.57	0.067	0.11		✓	✓	✓
AC Adapter	RD-201	6	5	0.732	0.709	0.056	0.079	✓	✓	✓	✓
AC Adapter	RD-242	30	12	0.65	0.63	0.062	0.075	✓	✓	✓	✓
AC Adapter	RD-313	30	12	0.813	0.779	0.017	0.029	✓	✓	✓	✓
AC Charger	EP-85	2	6.0	0.62	0.57	0.12	0.17		✓	✓	✓
AC Charger/Adapter	RD-157	2.78	5	0.73	0.72	0.028	0.032	✓	✓	✓	✓
AC Charger/Adapter	RD-158	5	5	0.73	0.720	0.042	0.046	✓	✓	✓	✓
AC Charger/Adapter	RD-159	2.4	8.0	0.75	0.72	0.023	0.028	✓	✓	✓	✓
AC-DC Power Supply	RD-91	12	12	0.75	0.65	0.085	0.14		✓	✓	✓
AC-DC Power Supply	EP-34	30	12	0.67	0.59	0.18	0.29		✓	✓	✓
Appliance/White Goods	EP-48	1.44	12	0.75	0.70	0.105	0.15	N/A	✓	N/A	N/A
Cordless Phone Adapter	RD-83	1.6	7.7	0.62	0.57	0.16	0.22		✓	✓	✓
DVD Player	EP-29	11	3.3, 5, ± 12	0.73	0.69	0.02	0.028	N/A	✓	N/A	N/A
DVD Player/Set-Top Box	EP-32	25	3.3, 5, 12, 24	0.66	0.63	0.065	0.078	N/A	✓	N/A	N/A
LCD Monitor/TV Adapter	EP-33	45	12	0.67	0.56	0.17	0.23		✓	✓	✓
LCD Monitor	RD-142	35	5, 12	0.41	0.40	0.15	0.20	N/A	✓	✓	N/A
LCD Monitor	RD-321	17	5, 18	0.813	0.760	0.086	0.093	✓	✓	✓	✓
LED Bulb	RD-131	3	10 TYP (9-15)	0.492	0.422	0.321	0.397	N/A	N/A	N/A	N/A
LED Bulb	RD-268	1.1	3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LED Bulb	RD-257	12	36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LED Bulb	RD-271	4.5	35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LED Bulb	RD-251	5	12-18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LED Bulb	RD-195	14	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LED Bulb	RD-194	14	28	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
LED Bulb	RD-193	7	21	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Meters	RD-138	1.2	5, 12	0.54	0.52	0.125	0.160	N/A	✓	✓	N/A
PC Standby	RD-295	20	5	1.223	1.244	0.02	0.025	✓	✓	✓	✓
Street Light	RD-290	75	29-36	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CAPZero	RD-252	N/A	N/A	N/A	N/A	0.003	0.008	N/A	N/A	N/A	N/A

*Code of Conduct on Efficiency of External Power Supplies **Energy Independence and Security Act (federal equivalent of California Energy Commission/CEC) N/A = Not Applicable

An extensive list of tested, energy-efficient reference designs and circuit examples are available on-line at www.powerint.com/appcircuits.htm

PI Expert™ Design Software

This powerful, interactive software takes a designer's power supply specifications and automatically determines the critical components (including transformer specifications) needed to generate a working switch-mode power supply. Designs can be optimized for efficiency or cost using auto-design or manual control options. PI Expert simplifies the design of LED drivers, offline power supplies, and DC-DC converters, reducing design time from days to minutes.

To download PI Expert or request a CD, go to www.powerint.com/designsoftware.htm

Reference Designs

Reference Design Kits (RDks/DAKs) provide all of the essential materials needed to demonstrate the advanced features of Power Integrations' ICs. Kits include a fully assembled and tested reference design power supply board, product samples and unpopulated PCB.

For more information, go to www.powerint.com/dak.htm

PI Forums

Power Integrations provides several forums where designers can discuss technical questions with PI engineers and the extensive Power Integrations' design community:

- Power Supply Design Forum: For general technical questions
- PI Expert Support Forum: For discussing PI Expert Design Software
- Green Energy Forum: For discussing energy efficiency regulations, EcoSmart technology and improving the energy efficiency of electronic products

To participate in PI Forums, go to www.powerint.com/forum

Total Product Support

- Application notes
- Data sheets
- Design example reports
- Design ideas
- Engineering prototype reports
- PI Expert design software
- Reference design kits

EcoSmart – Enabling Energy-Efficient Power Supply Design

Power Integrations' EcoSmart technology dramatically reduces standby and no-load energy waste (by up to 95% in some applications) by intelligently managing the flow of power into a device's power supply. Using innovative IC products from Power Integrations, manufacturers can offer energy-efficient products that meet all current and proposed standby energy consumption standards around the world.

The Green Room

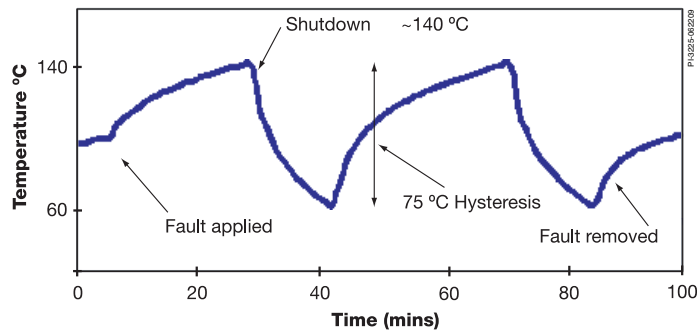
Power Integrations' Green Room web site (www.powerint.com/greenroom) offers the latest information in energy-efficient design, including:

- Energy-efficiency regulations: Search by application, regulatory agency or geographic location
- Application-specific design tools: Data sheets, application notes and reference designs
- Mr. Green's blog: An informative blog about energy-efficiency standards and other green matters
- Energy FAQs: Answers to frequently asked questions about energy-efficiency
- Energy-efficiency resources: Links to other helpful web sites addressing energy issues
- Introduction to green power: Tips for minimizing standby waste

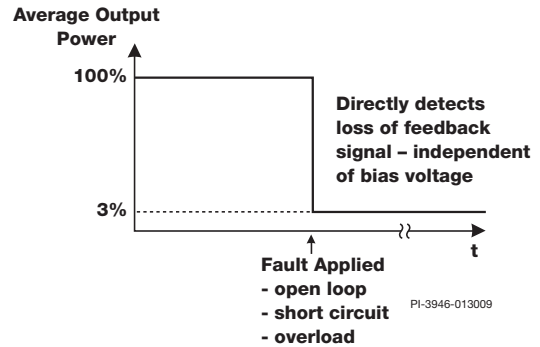
Product Features & Benefits

Comprehensive Fault Protection – Simplifies Design and Improves Reliability

- On-chip hysteretic thermal shutdown with auto-recovery
- Control loop fault protection is independent of bias voltage
- Protects entire system: device, PC board, magnetics and output rectifiers



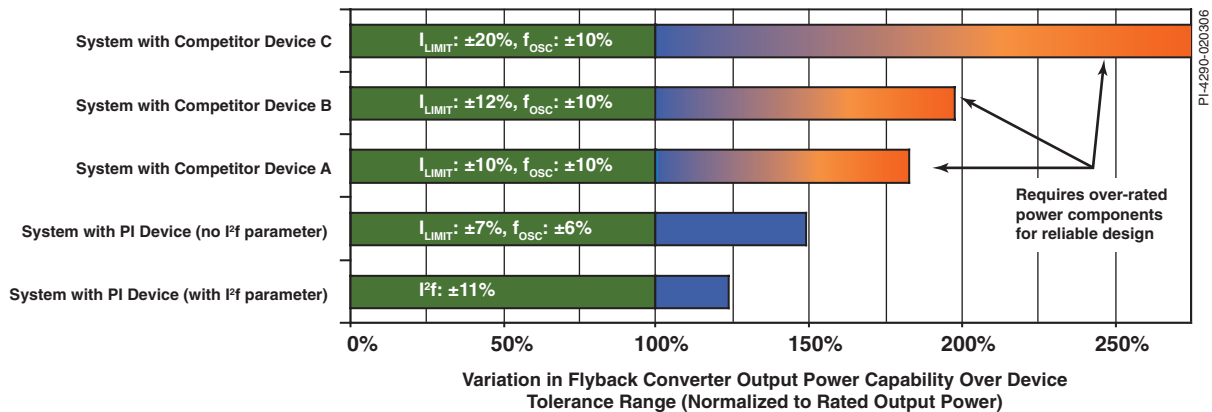
Hysteretic Thermal Shutdown



Output Power During Loss of Feedback

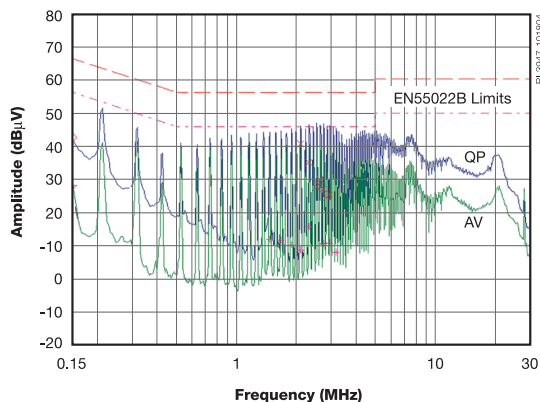
Tight Device Tolerances – Reduce System Cost

- Power Integrations' ICs have tight tolerances for current limit and switching frequency. This reduces the output overload power and therefore the power rating, size and cost for the output rectifiers, transformer and clamp components.

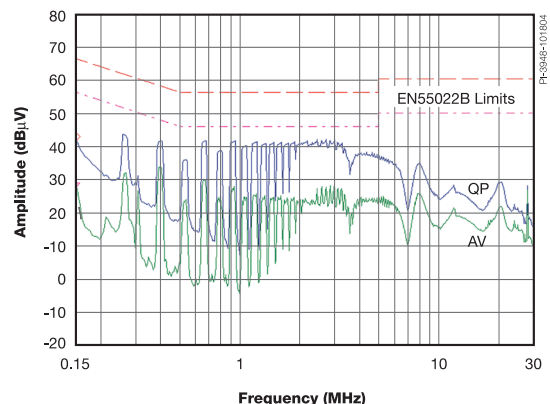


Frequency Jittering – Reduces EMI and EMI Filtering Costs

- Enables smaller, lower cost filter components



Conducted EMI without Jitter

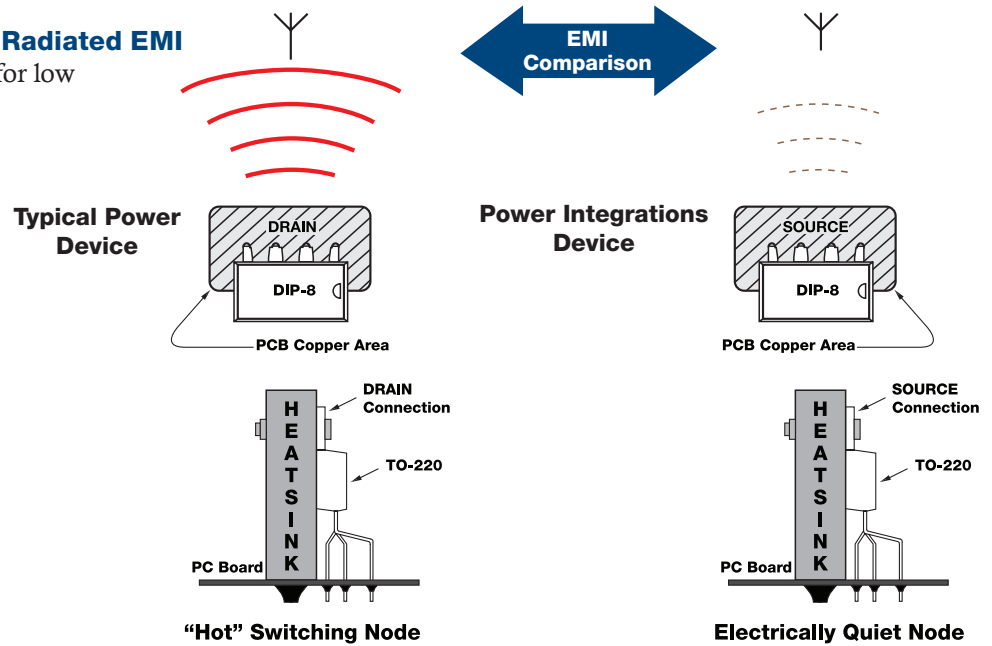


Conducted EMI with Jitter

Product Features & Benefits

Source Heat Sinking – For Low Radiated EMI

- Heat sink connected to SOURCE for low radiated EMI



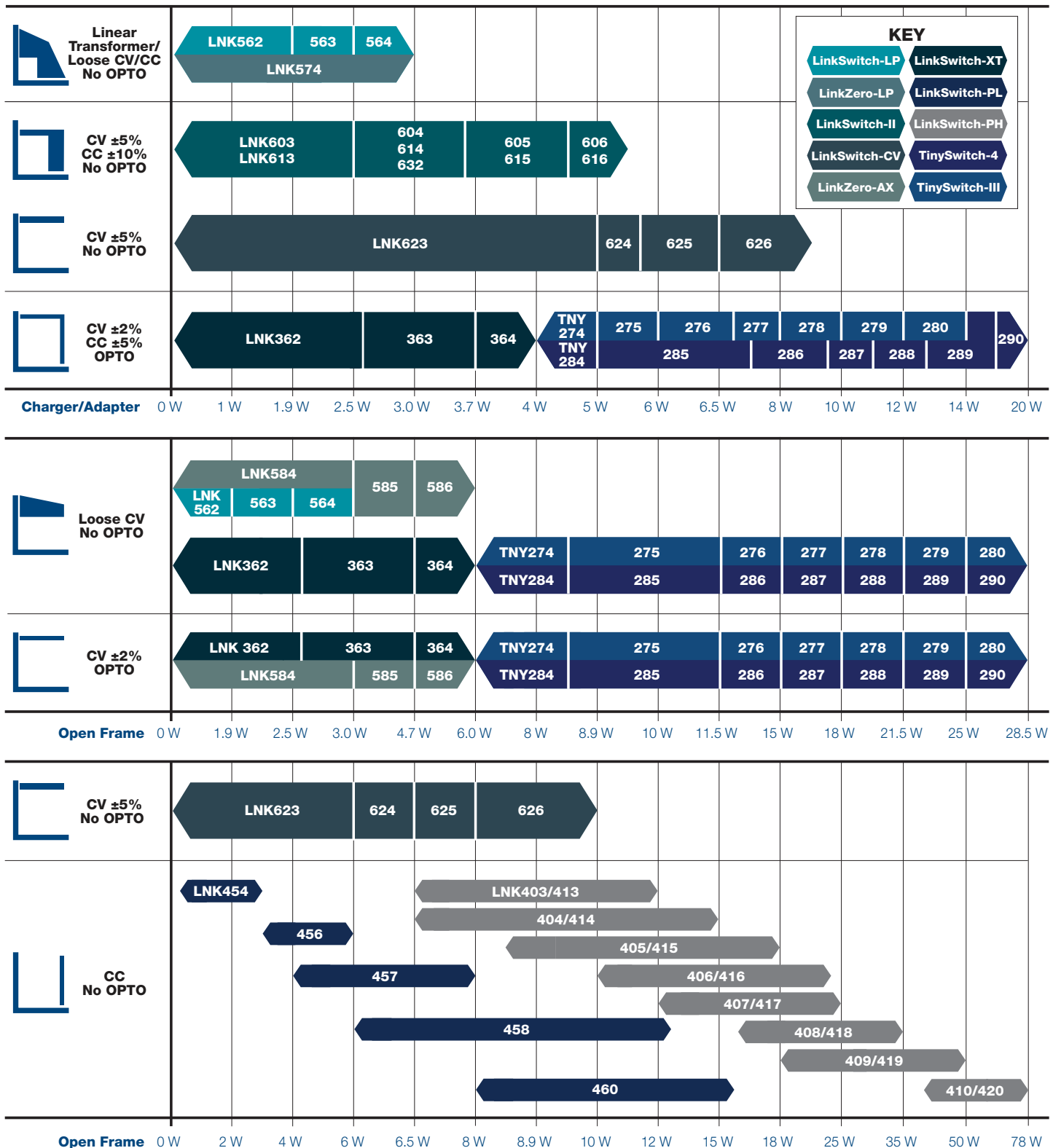
Package Design/Pin Layout – Improves Reliability

- Wide package DRAIN – SOURCE creepage reduces probability of arcing
- Important for high pollution degree environments and forced air cooling
- Optimal pin arrangement allows compliance with safety agency adjacent pin short-circuit test
- Packages below are RoHS compliant

D Package SO-8	G Package SMD-8	M Package SDIP-10C	P Package PDIP-8	F Package TO-262-7C	Y Package TO-220-7C	E Package eSIP™-7C eSIP-7G	L Package eSIP-7F	K Package eSOP™-12	V Package eDIP™-12

Low-Power Product Portfolio

Output Characteristic Requirements (Wide Input 85 – 265 VAC)



Family Descriptions

LinkSwitch-HP – The LinkSwitch-HP family of flyback power supply ICs incorporate a primary side regulated (PSR) controller and high-voltage power MOSFET in a single package. The IC family includes devices optimized for constant voltage (CV) operation at power ranges from 9 W to 90 W. LinkSwitch-HP IC controller features $\pm 5\%$ CV accuracy, selectable current limit, programmable latching or hysteretic OVP, UVP and OTP, improved overload power compensation over line, fast AC reset, and programmable shutdown delay time.

LinkSwitch-PH – LinkSwitch-PH dramatically simplifies offline LED driver designs requiring flicker-free TRIAC dimming, high power factor, and high-efficiency. This highly integrated controller and power MOSFET introduces a novel control technique that provides active power factor correction, accurate constant current output and primary-side control, and eliminates external circuitry required for power factor correction, an optocoupler, and supporting secondary current control circuitry. LinkSwitch-PH is optimized for isolated designs, operates over a wide input voltage range and delivers output power up to 78 W.

LinkSwitch-PL – Designed for compact solid state lighting replacement lamps, LinkSwitch-PL enables very small and low cost TRIAC-dimmable, single-stage, power factor corrected, constant current offline LED drivers. LinkSwitch-PL is optimized for non-isolated systems, operates over a wide input voltage range and delivers output power up to 16 W. Its innovative control algorithm provides flicker-free TRIAC dimming with minimal external components.

LinkZero-AX – Enables designers to achieve 0.00 watts of standby energy consumption in auxiliary power supplies. LinkZero-AX features an innovative power-down mode that effectively turns off the auxiliary power supply when the end product is idle. Power-down mode is triggered by a signal accessible to a microcontroller, completely shutting down switch-mode operation and internal switch control circuits, eliminating wasted energy. However, while in power-down mode, the LinkZero-AX stays alive, allowing the IC to be awakened with a reset pulse or button press.

LinkZero-LP – A zero no-load consumption, integrated offline switcher IC for 3 W chargers and adapters that automatically detects output conditions and enters zero input power mode when the load is disconnected. When the load is reconnected, LinkZero-LP automatically restarts regulation. LinkZero-LP achieves this remarkable performance without the use of a mechanical switch or additional circuitry, resulting in a very simple retrofit to ensure that products consume 0.00 W in no-load. The 100 kHz operating frequency also minimizes charger size, and frequency jittering greatly reduces the cost of EMI filtering.

LinkSwitch-CV – LinkSwitch-CV dramatically simplifies CV power supply design with tight CV requirements and by eliminating an optocoupler and secondary control circuitry. The device introduces a revolutionary control technique to provide very tight output voltage regulation, along with input voltage variations and temperature.

LinkSwitch-II – Designed for low power adapters and chargers (cell/cordless phones, PDAs, digital cameras, portable audio etc), LinkSwitch-II dramatically simplifies low power CV/CC charger designs by eliminating an optocoupler and secondary control circuitry. The device introduces a revolutionary control technique to provide very tight output voltage and current regulation, compensating for transformer and internal parameter tolerances along with input voltage variations.

LinkSwitch-XT – Designed for low power adapters and chargers (cell/cordless phones, PDAs, digital cameras, portable audio etc), as well as auxiliary supplies employed in applications such as white goods.

LinkSwitch-LP – Designed to replace inefficient line frequency linear transformer based power supplies with output powers < 2.5 W in applications such as cell/cordless phones, PDAs, digital cameras, and portable audio players, as well as auxiliary supplies employed in applications such as white goods.

LinkSwitch-TN – Designed to replace all linear and capacitor-fed (cap dropper) non-isolated power supplies in the under 360 mA output current range at equal system cost while offering much higher performance and energy efficiency.

TinySwitch-4 – With line-compensated overload power protection, TinySwitch-4 devices dramatically reduce the maximum overload variation over the universal input voltage range. It is particularly helpful in applications such as PC standby and CV adapters to limit the maximum output power during the overload fault condition. TinySwitch-4 also incorporates a 725 V MOSFET that easily allows 80% de-rating for high reflected voltage and high bus voltage designs. The BYPASS/ MULTI-FUNCTION pin permits the MOSFET current limit to be adjusted up or down, allowing designers to optimize power delivery and efficiency in a variety of physical implementations. An on-time extension function extends the low-line regulation range, enabling hold-up time to be met with lower values of input capacitance.

TinySwitch-III – TinySwitch-III incorporates a 700 V power MOSFET, oscillator, high-voltage switched current source, current limit (user selectable) and thermal shutdown circuitry. The controller consists of an oscillator, enable circuit (sense and logic), current limit state machine, 5.85 V regulator, BYPASS/ MULTI-FUNCTION pin undervoltage, overvoltage circuit, and current limit selection circuitry, over-temperature protection, current limit circuit, leading edge blanking, and a 700 V power MOSFET. TinySwitch-III incorporates additional circuitry for line undervoltage sense, auto-restart, adaptive switching cycle on-time extension, and frequency jitter.

TOPSwitch-JX – The latest generation product in the TOPSwitch line, TOPSwitch-JX is a highly integrated family of power conversion ICs incorporating a 725 V power MOSFET for use in flyback power supplies. The novel TOPSwitch-JX multi-mode control algorithm maximizes power efficiency across the entire load range. High-efficiency at full power minimizes power wasted during normal operation and reduces the complexity and expense of thermal management on the system. At low power levels, high-efficiency enables adapters with extremely low no-load consumption and maximizes power available to the system in standby mode for applications constrained by standards and regulatory controls.

TOPSwitch-HX – TOPSwitch-HX features multi-mode operation with linear frequency reduction to 30 kHz (at 132 kHz) and multi-cycle modulation (assuring virtually no audible noise), Output Overvoltage Protection (OVP), improved line feed-forward with duty cycle reduction, and I^2t trimming.

IC Product Tables – Enclosed

Power 85-265 VAC (rated) (W)	Peak Power 85-265 VAC / 230 VAC (W)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 μF, 10 μF)	CC Accuracy (best) (%)	Typical No Load Power at 230 VAC (with bias winding) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
1.5	3	LNK454	D	PSR / Opto	N/A	N/A	± 10	N/A	0.29	PWM	N	Y
1.9	1.9	LNK562	P,D	PSR	± 15	Remote Sense	± 20	< 30	0.136	ON/OFF	N	N
2.5	2.5	LNK563	P,D	PSR	± 15	Remote Sense	± 20	< 30	0.136	ON/OFF	N	N
2.5	2.5	LNK603	P,D	PSR	± 5	Remote Sense	± 10	< 30	0.2	ON/OFF	Y	CV Design / Shutdown
2.5	2.5	LNK613	P,D	PSR	± 5	1.035, 1.055	± 10	< 30	0.2	ON/OFF	Y	CV Design / Shutdown
2.6	2.6	LNK362	P,D	Opto	External	Remote Sense	External	< 10	0.14	ON/OFF	N	N
2.6	2.6	LNK362	G	Opto	External	Remote Sense	External	< 10	0.14	ON/OFF	N	N
3	3	LNK564	P,D	PSR	± 15	Remote Sense	± 20	< 30	0.136	ON/OFF	N	N
3	3	LNK574	D	PSR	± 15	Remote Sense	± 20	< 5	0.136	ON/OFF	N	N
3	6	LNK456	D	PSR / Opto	N/A	N/A	± 10	N/A	0.58	PWM	N	Y
3.1	3.1	LNK632	D	PSR	± 5	1.06, 1.09	± 18	< 30	0.145	ON/OFF	Y	CV Design / Shutdown
3.5	3.5	LNK604	P,D	PSR	± 5	Remote Sense	± 10	< 30	0.25	ON/OFF	Y	CV Design / Shutdown
3.5	3.5	LNK614	P,D	PSR	± 5	1.045, 1.065	± 10	< 30	0.25	ON/OFF	Y	CV Design / Shutdown
3.7	3.7	LNK363	P,D	Opto	External	Remote Sense	External	< 10	0.21	ON/OFF	N	N
3.7	3.7	LNK363	G	Opto	External	Remote Sense	External	< 10	0.21	ON/OFF	N	N
4	4	LNK364	P,D	Opto	External	Remote Sense	External	< 10	0.25	ON/OFF	N	N
4	4	LNK364	G	Opto	External	Remote Sense	External	< 10	0.25	ON/OFF	N	N
4	8	LNK457	D,V	PSR / Opto	N/A	N/A	± 10	N/A	0.91	PWM	N	Y
4.5	4.5	LNK605	P,D	PSR	± 5	Remote Sense	± 10	< 30	0.315	ON/OFF	Y	CV Design / Shutdown
4.5	4.5	LNK615	P,D	PSR	± 5	1.05, 1.07	± 10	< 30	0.315	ON/OFF	Y	CV Design / Shutdown
5	5	LNK623	P,D	PSR	± 5	Remote Sense	N/A	< 70	0.21	ON/OFF	N	CV Design / Shutdown
5	6	TNY284	P, D, K	Opto	External	Remote Sense	External	< 30	0.25	ON/OFF	Y	Latch
5	8.5	TNY274	P, G	Opto	External	Remote Sense	External	< 50	0.25	ON/OFF	Y	Latch
5.5	5.5	LNK606	P, G, D	PSR	± 5	Remote Sense	± 10	< 30	0.41	ON/OFF	Y	CV Design / Shutdown
5.5	5.5	LNK616	P, G, D	PSR	± 5	1.06, 1.09	± 10	< 30	0.41	ON/OFF	Y	CV Design / Shutdown
5.5	5.5	LNK624	P,D	PSR	± 5	Remote Sense	N/A	< 70	0.25	ON/OFF	N	CV Design / Shutdown
6	6	TOP252	E	Opto	External	Remote Sense	External	< 100	0.43	Multimode	Y	Latch / Auto-Restart
6	8.5	TNY285	P,D	Opto	External	Remote Sense	External	< 30	0.275	ON/OFF	Y	Latch
6	11.5	LNK458	V	PSR / Opto	N/A	N/A	± 10	N/A	1.15	PWM	N	Y
6	11.5	TNY275	P, G	Opto	External	Remote Sense	External	< 50	0.275	ON/OFF	Y	Latch
6	13	TOP252	P, G, M	Opto	External	Remote Sense	External	< 100	0.43	Multimode	Y	Latch / Auto-Restart
6.5	6.5	LNK625	P,D	PSR	± 5	Remote Sense	N/A	< 70	0.33	ON/OFF	N	CV Design / Shutdown
7	10	TNY286	P,D	Opto	External	Remote Sense	External	< 30	0.35	ON/OFF	Y	Latch
7	15	TNY276	P, G	Opto	External	Remote Sense	External	< 50	0.35	ON/OFF	Y	Latch
7	11.5	TNY287	D	Opto	External	Remote Sense	External	< 30	0.45	ON/OFF	Y	Latch
7.5	11	TNY285	K	Opto	External	Remote Sense	External	< 30	0.275	ON/OFF	Y	Latch
8	8.5	LNK626	P,D	PSR	± 5	Remote Sense	N/A	< 70	0.45	ON/OFF	N	CV Design / Shutdown
8	13	TNY287	P	Opto	External	Remote Sense	External	< 30	0.45	ON/OFF	Y	Latch
8	16	LNK460	V	PSR / Opto	N/A	N/A	± 10	N/A	1.86	PWM	N	Y
8	18	TNY277	P, G	Opto	External	Remote Sense	External	< 50	0.45	ON/OFF	Y	Latch
9	15	LNK6663	V	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
9	15	LNK6763	V	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
9	15	LNK6773	V	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
9	25	TOP253	P, G	Opto	External	Remote Sense	External	< 100	0.75	Multimode	Y	Latch / Auto-Restart
9	29	TOP253	M	Opto	External	Remote Sense	External	< 100	0.85	Multimode	Y	Latch / Auto-Restart
9.5	13.5	TNY286	K	Opto	External	Remote Sense	External	< 30	0.35	ON/OFF	Y	Latch
10	16	TNY288	P	Opto	External	Remote Sense	External	< 30	0.55	ON/OFF	Y	Latch
10	21.5	TNY278	P, G	Opto	External	Remote Sense	External	< 50	0.55	ON/OFF	Y	Latch
11	16	LNK6664	V	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart

IC Product Tables – Enclosed

Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I ² f Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
LNK454	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
LNK562	Auto-Restart	N	N	N	Inherent	N/A	Y	66		12	N	N
LNK563	Auto-Restart	N	N	N	Inherent	N/A	Y	83		12	N	N
LNK603	Auto-Restart	N	N	N	Inherent	N/A	N	66		27	N	N
LNK613	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK362	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK362	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK564	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK574	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK456	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
LNK632	Auto-Restart	N	N	N	Inherent	N/A	Y	105		20	N	N
LNK604	Auto-Restart	N	N	N	Inherent	N/A	N	66		27	N	N
LNK614	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK363	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK363	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK364	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK364	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK457	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
LNK605	Auto-Restart	N	N	N	Inherent	N/A	N	66		N/A	N	N
LNK615	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK623	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
TNY284	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY274	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK606	Auto-Restart	N	N	N	Inherent	N/A	N	66		27	N	N
LNK616	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK624	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
TOP252	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TNY285	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK458	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
TNY275	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TOP252	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
LNK625	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
TNY286	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY276	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY287	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY285	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK626	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
TNY287	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK460	Auto-Restart	N	Y	N	Inherent	N/A	N	66	N/A	N/A	N/A	N
TNY277	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK6663	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6763	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6773	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP253	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP253	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TNY286	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY288	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY278	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK6664	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable

IC Product Tables – Enclosed

Power 85-265 VAC (rated) (W)	Peak Power 85-265 VAC / 230 VAC (W)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 µF, 10 µF)	CC Accuracy (best) (%)	Typical No Load Power at 230 VAC (with bias winding) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
11	16	LNK6764	V	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
11	16	LNK6774	V	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
11	18	TNY287	K	Opto	External	Remote Sense	External	< 30	0.45	ON/OFF	Y	Latch
11	30	TOP254	P, G	Opto	External	Remote Sense	External	< 100	1	Multimode	Y	Latch / Auto-Restart
11	40	TOP254	M	Opto	External	Remote Sense	External	< 100	1.3	Multimode	Y	Latch / Auto-Restart
12	18	TNY289	P	Opto	External	Remote Sense	External	< 30	0.65	ON/OFF	Y	Latch
12	20	TOP264	V	Opto	External	Remote Sense	External	< 75	1.3	Multimode	Y	Latch / Auto-Restart
12	25	TNY279	P, G	Opto	External	Remote Sense	External	< 50	0.65	ON/OFF	Y	Latch
13	13	TOP253	E	Opto	External	Remote Sense	External	< 100	0.85	Multimode	Y	Latch / Auto-Restart
13	19	LNK6665	V	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
13	19	LNK6765	V	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
13	19	LNK6775	V	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
13	21	LNK6663	E	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
13	21	LNK6763	E	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
13	21	LNK6773	E	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
13	35	TOP255	P, G	Opto	External	Remote Sense	External	< 100	1.15	Multimode	Y	Latch / Auto-Restart
13	52	TOP255	M	Opto	External	Remote Sense	External	< 100	1.7	Multimode	Y	Latch / Auto-Restart
14	20	TNY290	P	Opto	External	Remote Sense	External	< 30	0.75	ON/OFF	Y	Latch
14	28.5	TNY280	P, G	Opto	External	Remote Sense	External	< 50	0.75	ON/OFF	Y	Latch
14.5	23	TNY288	K	Opto	External	Remote Sense	External	< 30	0.55	ON/OFF	Y	Latch
15	21	LNK6666	V	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
15	21	LNK6766	V	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
15	21	LNK6776	V	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
15	26	TOP265	V	Opto	External	Remote Sense	External	< 75	1.7	Multimode	Y	Latch / Auto-Restart
15	40	TOP256	P, G	Opto	External	Remote Sense	External	< 100	1.35	Multimode	Y	Latch / Auto-Restart
15	64	TOP256	M	Opto	External	Remote Sense	External	< 100	2.1	Multimode	Y	Latch / Auto-Restart
17	25	TNY289	K	Opto	External	Remote Sense	External	< 30	0.65	ON/OFF	Y	Latch
17	40	TOP266	V	Opto	External	Remote Sense	External	< 75	2.55	Multimode	Y	Latch / Auto-Restart
19	25	LNK6667	V	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
19	25	LNK6767	V	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
19	25	LNK6777	V	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
19	45	TOP257	P, G	Opto	External	Remote Sense	External	< 100	1.5	Multimode	Y	Latch / Auto-Restart
19	78	TOP257	M	Opto	External	Remote Sense	External	< 100	2.55	Multimode	Y	Latch / Auto-Restart
19	55	TOP267	V	Opto	External	Remote Sense	External	< 75	3	Multimode	Y	Latch / Auto-Restart
20	20	TOP254	E, Y	Opto	External	Remote Sense	External	< 100	1.3	Multimode	Y	Latch / Auto-Restart
20	20	TOP264	E	Opto	External	Remote Sense	External	< 75	1.3	Multimode	Y	Latch / Auto-Restart
20	28	TNY290	K	Opto	External	Remote Sense	External	< 30	0.75	ON/OFF	Y	Latch
20	30	LNK6664	E	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
20	30	LNK6764	E	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
20	30	LNK6774	E	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
21.5	70	TOP268	V	Opto	External	Remote Sense	External	< 75	3.25	Multimode	Y	Latch / Auto-Restart
22	50	TOP258	P, G	Opto	External	Remote Sense	External	< 100	1.65	Multimode	Y	Latch / Auto-Restart
22	92	TOP258	M	Opto	External	Remote Sense	External	< 100	3	Multimode	Y	Latch / Auto-Restart
22.5	80	TOP269	V	Opto	External	Remote Sense	External	< 75	3.48	Multimode	Y	Latch / Auto-Restart
24.5	93	TOP270	V	Opto	External	Remote Sense	External	< 75	4.2	Multimode	Y	Latch / Auto-Restart
26	26	TOP255	E, Y, L	Opto	External	Remote Sense	External	< 100	1.7	Multimode	Y	Latch / Auto-Restart
26	26	TOP265	E	Opto	External	Remote Sense	External	< 75	1.7	Multimode	Y	Latch / Auto-Restart
26	40	LNK6665	E	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
26	40	LNK6765	E	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
26	40	LNK6775	E	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart

IC Product Tables – Enclosed

Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I _{ff} Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
LNK6764	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6774	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TNY287	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TOP254	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP254	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TNY289	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TOP264	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TNY279	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TOP253	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
LNK6665	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6765	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6775	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6663	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6763	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6773	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP255	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP255	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TNY290	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY280	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY288	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK6666	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6766	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6776	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP265	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TNY289	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TOP266	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
LNK6667	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6767	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6777	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP267	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP254	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP264	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TNY290	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK6664	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6764	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6774	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP268	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP269	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP270	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP255	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP265	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
LNK6665	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6765	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6775	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable

IC Product Tables – Enclosed

Power 85-265 VAC (rated) (W)	Peak Power 85-265 VAC / 230 VAC (W)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 μF, 10 μF)	CC Accuracy (best) (%)	Typical No Load Power at 230 VAC (with bias winding) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
26	118	TOP271	V	Opto	External	Remote Sense	External	< 75	5.17	Multimode	Y	Latch / Auto-Restart
40	40	TOP256	E, Y	Opto	External	Remote Sense	External	< 100	2.55	Multimode	Y	Latch / Auto-Restart
40	40	TOP256	L	Opto	External	Remote Sense	External	< 100	2.1	Multimode	Y	Latch / Auto-Restart
40	40	TOP266	E	Opto	External	Remote Sense	External	< 75	2.55	Multimode	Y	Latch / Auto-Restart
40	60	LNK6666	E	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
40	60	LNK6766	E	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
40	60	LNK6776	E	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
55	55	TOP257	E, Y	Opto	External	Remote Sense	External	< 100	3.4	Multimode	Y	Latch / Auto-Restart
55	55	TOP257	L	Opto	External	Remote Sense	External	< 100	2.55	Multimode	Y	Latch / Auto-Restart
55	55	TOP267	E	Opto	External	Remote Sense	External	< 75	3	Multimode	Y	Latch / Auto-Restart
55	85	LNK6667	E	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
55	85	LNK6767	E	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
55	85	LNK6777	E	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
70	70	TOP258	E, Y	Opto	External	Remote Sense	External	< 100	4.3	Multimode	Y	Latch / Auto-Restart
70	70	TOP258	L	Opto	External	Remote Sense	External	< 100	3	Multimode	Y	Latch / Auto-Restart
70	70	TOP268	E	Opto	External	Remote Sense	External	< 75	3.25	Multimode	Y	Latch / Auto-Restart
80	80	TOP259	E, Y	Opto	External	Remote Sense	External	< 100	5.15	Multimode	Y	Latch / Auto-Restart
80	80	TOP259	L	Opto	External	Remote Sense	External	< 100	3.48	Multimode	Y	Latch / Auto-Restart
80	80	TOP269	E	Opto	External	Remote Sense	External	< 75	3.48	Multimode	Y	Latch / Auto-Restart
93	93	TOP260	E, Y	Opto	External	Remote Sense	External	< 100	6	Multimode	Y	Latch / Auto-Restart
93	93	TOP260	L	Opto	External	Remote Sense	External	< 100	4.2	Multimode	Y	Latch / Auto-Restart
93	93	TOP270	E	Opto	External	Remote Sense	External	< 75	4.2	Multimode	Y	Latch / Auto-Restart
118	118	TOP261	E, Y	Opto	External	Remote Sense	External	< 100	7.4	Multimode	Y	Latch / Auto-Restart
118	118	TOP261	L	Opto	External	Remote Sense	External	< 100	5.17	Multimode	Y	Latch / Auto-Restart
118	118	TOP262	E	Opto	External	Remote Sense	External	< 100	7.4	Multimode	Y	Latch / Auto-Restart
118	118	TOP262	L	Opto	External	Remote Sense	External	< 100	5.17	Multimode	Y	Latch / Auto-Restart
118	118	TOP271	E	Opto	External	Remote Sense	External	< 75	5.17	Multimode	Y	Latch / Auto-Restart
Output Current, Discontinuous Mode (mA) (230 VAC)	Output Current, Discontinuous Mode (mA) (85-265 VAC)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 μF, 10 μF)	CC Accuracy (best) (%)	Typical No Load Power at 230 VAC (buck topology) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
63	63	LNK302	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.136	ON/OFF	N	N
120	120	LNK304	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.257	ON/OFF	N	N
175	175	LNK305	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.375	ON/OFF	N	N
225	225	LNK306	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.482	ON/OFF	N	N

IC Product Tables – Enclosed

Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I ² f Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
TOP271	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP266	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
LNK6666	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6766	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6776	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP267	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
LNK6667	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6767	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6777	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP268	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP259	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP259	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP269	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP260	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP260	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP270	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP261	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP261	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP262	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP262	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP271	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I ² f Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
LNK302	Auto-Restart	N	N	N	Inherent	N/A	N	66		N/A	N	N
LNK304	Auto-Restart	N	N	N	Inherent	N/A	N	66		6	N	N
LNK305	Auto-Restart	N	N	N	Inherent	N/A	N	66		6	N	N
LNK306	Auto-Restart	N	N	N	Inherent	N/A	N	66		6	N	N

IC Product Tables – Open Frame

Open Frame Power 85-265 VAC (rated) (W)	Open Frame Peak Power 85-265 VAC / 230 VAC (W)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 μF, 10 μF)	CC Accuracy (best) (%)	Typical No Load Power at 230 VAC (with bias winding) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
1.5	3	LNK454	D	PSR / Opto	N/A	N/A	± 10	N/A	0.29	PWM	N	Y
1.9	1.9	LNK562	P, D	PSR	± 15	Remote Sense	± 20	< 30	0.136	ON/OFF	N	N
2.5	2.5	LNK563	P, D	PSR	± 15	Remote Sense	± 20	< 30	0.136	ON/OFF	N	N
2.6	2.6	LNK362	P, D	Opto	External	Remote Sense	External	< 10	0.14	ON/OFF	N	N
2.6	2.6	LNK362	G	Opto	External	Remote Sense	External	< 10	0.14	ON/OFF	N	N
3	3	LNK564	P, D	PSR	± 15	Remote Sense	± 20	< 30	0.136	ON/OFF	N	N
3	3	LNK584	D, G	PSR	± 5	Remote Sense	± 20	< 3	0.136	ON/OFF	N	Y
3	6	LNK456	D	PSR / Opto	N/A	N/A	± 10	N/A	0.58	PWM	N	Y
3.1	3.1	LNK632	D	PSR	± 5	1.06, 1.09	± 18	< 30	0.145	ON/OFF	Y	CV Design / Shutdown
3.3	3.3	LNK603	P, D	PSR	± 5	Remote Sense	± 10	< 30	0.2	ON/OFF	Y	CV Design / Shutdown
3.3	3.3	LNK613	P, D	PSR	± 5	1.035, 1.055	± 10	< 30	0.2	ON/OFF	Y	CV Design / Shutdown
4	8	LNK457	D, V	PSR / Opto	N/A	N/A	± 10	N/A	0.91	PWM	N	Y
4	4.5	LNK585	D	PSR	± 5	Remote Sense	± 20	< 3	0.25	ON/OFF	N	Y
4.1	4.1	LNK604	P, D	PSR	± 5	Remote Sense	± 10	< 30	0.25	ON/OFF	Y	CV Design / Shutdown
4.1	4.1	LNK614	P, D	PSR	± 5	1.045, 1.065	± 10	< 30	0.25	ON/OFF	Y	CV Design / Shutdown
4.5	5	LNK585	G	PSR	± 5	Remote Sense	± 20	< 3	0.25	ON/OFF	N	Y
4.7	4.7	LNK363	P, D	Opto	External	Remote Sense	External	< 10	0.21	ON/OFF	N	N
4.7	4.7	LNK363	G	Opto	External	Remote Sense	External	< 10	0.21	ON/OFF	N	N
5	6	LNK586	D	PSR	± 5	Remote Sense	± 20	< 3	0.30	ON/OFF	N	Y
5.1	5.1	LNK605	P, D	PSR	± 5	Remote Sense	± 10	< 30	0.315	ON/OFF	Y	CV Design / Shutdown
5.1	5.1	LNK615	P, D	PSR	± 5	1.05, 1.07	± 10	< 30	0.315	ON/OFF	Y	CV design / Shutdown
5.5	6.5	LNK586	G	PSR	± 5	Remote Sense	± 20	< 3	0.30	ON/OFF	N	Y
6	6	LNK364	P, D	Opto	External	Remote Sense	External	< 10	0.25	ON/OFF	N	N
6	6	LNK364	G	Opto	External	Remote Sense	External	< 10	0.25	ON/OFF	N	N
6	6	LNK623	P, D	PSR	± 5	Remote Sense	N/A	< 70	0.21	ON/OFF	N	CV Design / Shutdown
6	11.5	LNK458	V	PSR / Opto	N/A	N/A	± 10	N/A	1.15	PWM	N	Y
6.1	6.1	LNK606	P, G, D	PSR	± 5	Remote Sense	± 10	< 30	0.41	ON/OFF	Y	CV Design / Shutdown
6.1	6.1	LNK616	P, G, D	PSR	± 5	1.06, 1.09	± 10	< 30	0.41	ON/OFF	Y	CV Design / Shutdown
6.5	6.5	LNK624	P, D	PSR	± 5	Remote Sense	N/A	< 70	0.25	ON/OFF	N	CV Design / Shutdown
6.5	12	LNK403	E, L	PSR	N/A	N/A	± 5	N/A	0.75	PWM	N	Y
6.5	12	LNK413	E, L	PSR	N/A	N/A	± 5	N/A	0.75	PWM	N	Y
6.5	15	LNK404	E, L	PSR	N/A	N/A	± 5	N/A	1.00	PWM	N	Y
6.5	15	LNK414	E, L	PSR	N/A	N/A	± 5	N/A	1.00	PWM	N	Y
8	8	LNK625	P, D	PSR	± 5	Remote Sense	N/A	< 70	0.33	ON/OFF	N	CV Design / Shutdown
8	16	LNK460	V	PSR / Opto	N/A	N/A	± 10	N/A	1.86	PWM	N	Y
8.5	8.5	TNY274	P, G	Opto	External	Remote Sense	External	< 50	0.25	ON/OFF	Y	Latch
8.5	11	TNY284	P, D, K	Opto	External	Remote Sense	External	< 30	0.25	ON/OFF	Y	Latch
8.5	18	LNK405	E, L	PSR	N/A	N/A	± 5	N/A	1.24	PWM	N	Y
8.5	18	LNK415	E, L	PSR	N/A	N/A	± 5	N/A	1.24	PWM	N	Y
10	10	LNK626	P, D	PSR	± 5	Remote Sense	N/A	< 70	0.45	ON/OFF	N	CV design / Shutdown
10	13	TOP252	P, G, M	Opto	External	Remote Sense	External	< 100	0.43	Multimode	Y	Latch / Auto-Restart
10	22	LNK406	E, L	PSR	N/A	N/A	± 5	N/A	1.48	PWM	N	Y
10	22	LNK416	E, L	PSR	N/A	N/A	± 5	N/A	1.48	PWM	N	Y
11.5	11.5	TNY275	P, G	Opto	External	Remote Sense	External	< 50	0.275	ON/OFF	Y	Latch
11.5	15	TNY285	P, D, K	Opto	External	Remote Sense	External	< 30	0.275	ON/OFF	Y	Latch
12	25	LNK407	E, L	PSR	N/A	N/A	± 5	N/A	1.76	PWM	N	Y
12	25	LNK417	E, L	PSR	N/A	N/A	± 5	N/A	1.76	PWM	N	Y
13	13	TOP252	E	Opto	External	Remote Sense	External	< 100	0.43	Multimode	Y	Latch / Auto-Restart
15	15	TNY276	P, G	Opto	External	Remote Sense	External	< 50	0.35	ON/OFF	Y	Latch
15	19	TNY286	P, D, K	Opto	External	Remote Sense	External	< 30	0.35	ON/OFF	Y	Latch

IC Product Tables – Open Frame

Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I _f Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
LNK454	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
LNK562	Auto-Restart	N	N	N	Inherent	N/A	Y	66		12	N	N
LNK563	Auto-Restart	N	N	N	Inherent	N/A	Y	83		12	N	N
LNK362	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK362	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK564	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK584	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK456	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
LNK632	Auto-Restart	N	N	N	Inherent	N/A	Y	105		20	N	N
LNK603	Auto-Restart	N	N	N	Inherent	N/A	N	66		27	N	N
LNK613	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK457	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
LNK585	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK604	Auto-Restart	N	N	N	Inherent	N/A	N	66		27	N	N
LNK614	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK585	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK363	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK363	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK586	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK605	Auto-Restart	N	N	N	Inherent	N/A	N	66		27	N	N
LNK615	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK586	Auto-Restart	N	N	N	Inherent	N/A	Y	100		12	N	N
LNK364	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK364	Auto-Restart	N	N	N	Inherent	N/A	Y	132		5	N	N
LNK623	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
LNK458	Auto-Restart	N	Y	N	Inherent	N/A	N	28-132	N/A	N/A	N/A	N
LNK606	Auto-Restart	N	N	N	Inherent	N/A	N	66		27	N	N
LNK616	Auto-Restart	N	N	N	Inherent	N/A	N	65		27	N	N
LNK624	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
LNK403	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK413	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK404	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK414	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK625	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
LNK460	Auto-Restart	N	Y	N	Inherent	N/A	N	66	N/A	N/A	N/A	N
TNY274	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY284	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK405	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK415	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK626	Auto-Restart	N	N	N	Inherent	N/A	Y	100		7	N	N
TOP252	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
LNK406	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK416	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
TNY275	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY275	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK407	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK417	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
TOP252	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TNY276	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY286	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y

IC Product Tables – Open Frame

Open Frame Power 85-265 VAC (rated) (W)	Open Frame Peak Power 85-265 VAC / 230 VAC (W)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 μF, 10 μF)	CC Accuracy (best)	Typical No Load Power at 230 VAC (with bias winding) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
15	25	TOP253	P, G	Opto	External	Remote Sense	External	< 100	0.75	Multimode	Y	Latch / Auto-Restart
15	25	LNK6663	V	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
15	25	LNK6763	V	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
15	25	LNK6773	V	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
15	29	TOP253	M	Opto	External	Remote Sense	External	< 100	0.85	Multimode	Y	Latch / Auto-Restart
16	23.5	TNY287	K	Opto	External	Remote Sense	External	< 30	0.45	ON/OFF	Y	Latch
16	35	LNK408	E, L	PSR	N/A	N/A	± 5	N/A	2.37	PWM	N	Y
16	35	LNK418	E, L	PSR	N/A	N/A	± 5	N/A	2.37	PWM	N	Y
18	18	TNY277	P, G	Opto	External	Remote Sense	External	< 50	0.45	ON/OFF	Y	Latch
18	23.5	TNY287	P, D	Opto	External	Remote Sense	External	< 30	0.45	ON/OFF	Y	Latch
18	50	LNK409	E, L	PSR	N/A	N/A	± 5	N/A	3.12	PWM	N	Y
18	50	LNK419	E, L	PSR	N/A	N/A	± 5	N/A	3.12	PWM	N	Y
20	28	LNK6664	V	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
20	28	LNK6764	V	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
20	28	LNK6774	V	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
20	30	TOP254	P, G	Opto	External	Remote Sense	External	< 100	1	Multimode	Y	Latch / Auto-Restart
20	40	TOP254	M	Opto	External	Remote Sense	External	< 100	1.3	Multimode	Y	Latch / Auto-Restart
21.5	21.5	TNY278	P, G	Opto	External	Remote Sense	External	< 50	0.55	ON/OFF	Y	Latch
21.5	28	TNY288	P, K	Opto	External	Remote Sense	External	< 30	0.55	ON/OFF	Y	Latch
22	30	LNK6665	V	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
22	30	LNK6765	V	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
22	30	LNK6775	V	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
22	35	TOP255	P, G	Opto	External	Remote Sense	External	< 100	1.15	Multimode	Y	Latch / Auto-Restart
22	52	TOP255	M	Opto	External	Remote Sense	External	< 100	1.7	Multimode	Y	Latch / Auto-Restart
22.5	43	TOP264	V	Opto	External	Remote Sense	External	< 75	1.3	Multimode	Y	Latch / Auto-Restart
25	25	TNY279	P, G	Opto	External	Remote Sense	External	< 50	0.65	ON/OFF	Y	Latch
25	32	TNY289	P, K	Opto	External	Remote Sense	External	< 30	0.65	ON/OFF	Y	Latch
25	57	TOP265	V	Opto	External	Remote Sense	External	< 75	1.3	Multimode	Y	Latch / Auto-Restart
26	34	LNK6666	V	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
26	34	LNK6766	V	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
26	34	LNK6776	V	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
26	40	TOP256	P, G	Opto	External	Remote Sense	External	< 100	1.35	Multimode	Y	Latch / Auto-Restart
26	64	TOP256	M	Opto	External	Remote Sense	External	< 100	2.1	Multimode	Y	Latch / Auto-Restart
27	35	LNK6663	E	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
27	35	LNK6763	E	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
27	35	LNK6773	E	PSR	± 5	N/A	N/A	< 30	0.77	Multimode	Y	Latch / Auto-Restart
28.5	28.5	TNY280	P, G	Opto	External	Remote Sense	External	< 50	0.75	ON/OFF	Y	Latch
28.5	36.5	TNY290	P, K	Opto	External	Remote Sense	External	< 30	0.75	ON/OFF	Y	Latch
28.5	86	TOP266	V	Opto	External	Remote Sense	External	< 75	2.55	Multimode	Y	Latch / Auto-Restart
29	29	TOP253	E	Opto	External	Remote Sense	External	< 100	0.85	Multimode	Y	Latch / Auto-Restart
30	41	LNK6667	V	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
30	41	LNK6767	V	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
30	41	LNK6777	V	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
30	45	TOP257	P, G	Opto	External	Remote Sense	External	< 100	1.5	Multimode	Y	Latch / Auto-Restart
30	78	TOP257	M	Opto	External	Remote Sense	External	< 100	2.55	Multimode	Y	Latch / Auto-Restart
32	103	TOP267	V	Opto	External	Remote Sense	External	< 75	3	Multimode	Y	Latch / Auto-Restart
35	50	TOP258	P, G	Opto	External	Remote Sense	External	< 100	1.65	Multimode	Y	Latch / Auto-Restart
35	92	TOP258	M	Opto	External	Remote Sense	External	< 100	3	Multimode	Y	Latch / Auto-Restart
36	47	LNK6664	E	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart

IC Product Tables – Open Frame

Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I _{pf} Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
TOP253	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
LNK6663	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6763	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6773	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP253	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TNY287	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK408	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK418	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
TNY277	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY287	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK409	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK419	Auto-Restart	N	Y	Y	Inherent	N/A	N	66	N/A	N/A	N/A	N
LNK6664	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6764	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6774	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP254	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP254	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TNY278	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY288	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
LNK6665	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6765	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6775	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP255	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP255	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP264	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TNY279	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY289	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TOP265	Auto-Restart	Y	V	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
LNK6666	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6766	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6776	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
LNK6663	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6763	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6773	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TNY280	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TNY290	Auto-Restart	Y	Y	N	Inherent	N/A	Y	132	Y	3	N	Y
TOP266	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP253	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
LNK6667	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6767	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6777	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP267	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66	N	2	External	Programmable
LNK6664	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable

IC Product Tables – Open Frame

Open Frame Power 85-265 VAC (rated) (W)	Open Frame Peak Power 85-265 VAC / 230 VAC (W)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 μF, 10 μF)	CC Accuracy (best)	Typical No Load Power at 230 VAC (with bias winding) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
36	47	LNK6764	E	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
36	47	LNK6774	E	PSR	± 5	N/A	N/A	< 30	1.04	Multimode	Y	Latch / Auto-Restart
36	112	TOP268	V	Opto	External	Remote Sense	External	< 75	3.25	Multimode	Y	Latch / Auto-Restart
37.5	120	TOP269	V	Opto	External	Remote Sense	External	< 75	3.48	Multimode	Y	Latch / Auto-Restart
41	140	TOP270	V	Opto	External	Remote Sense	External	< 75	4.2	Multimode	Y	Latch / Auto-Restart
43	43	TOP254	E, Y	Opto	External	Remote Sense	External	< 100	1.3	Multimode	Y	Latch / Auto-Restart
43	43	TOP264	E	Opto	External	Remote Sense	External	< 75	1.3	Multimode	Y	Latch / Auto-Restart
43	177	TOP271	V	Opto	External	Remote Sense	External	< 75	5.17	Multimode	Y	Latch / Auto-Restart
45	59	LNK6665	E	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
45	59	LNK6765	E	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
45	59	LNK6775	E	PSR	± 5	N/A	N/A	< 30	1.30	Multimode	Y	Latch / Auto-Restart
57	57	TOP255	E, Y, L	Opto	External	Remote Sense	External	< 100	1.7	Multimode	Y	Latch / Auto-Restart
57	57	TOP265	E	Opto	External	Remote Sense	External	< 75	1.7	Multimode	Y	Latch / Auto-Restart
64	64	TOP256	L	Opto	External	Remote Sense	External	< 100	2.1	Multimode	Y	Latch / Auto-Restart
68	88	LNK6666	E	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
68	88	LNK6766	E	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
68	88	LNK6776	E	PSR	± 5	N/A	N/A	< 30	1.95	Multimode	Y	Latch / Auto-Restart
78	78	TOP257	L	Opto	External	Remote Sense	External	< 100	2.55	Multimode	Y	Latch / Auto-Restart
86	86	TOP256	E, Y	Opto	External	Remote Sense	External	< 100	2.55	Multimode	Y	Latch / Auto-Restart
86	86	TOP266	E	Opto	External	Remote Sense	External	< 75	2.55	Multimode	Y	Latch / Auto-Restart
90	117	LNK6667	E	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
90	117	LNK6767	E	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
90	117	LNK6777	E	PSR	± 5	N/A	N/A	< 30	2.60	Multimode	Y	Latch / Auto-Restart
92	92	TOP258	L	Opto	External	Remote Sense	External	< 100	3	Multimode	Y	Latch / Auto-Restart
103	103	TOP267	E	Opto	External	Remote Sense	External	< 75	3	Multimode	Y	Latch / Auto-Restart
112	112	TOP268	E	Opto	External	Remote Sense	External	< 75	3.25	Multimode	Y	Latch / Auto-Restart
119	119	TOP257	E, Y	Opto	External	Remote Sense	External	< 100	3.4	Multimode	Y	Latch / Auto-Restart
120	120	TOP259	L	Opto	External	Remote Sense	External	< 100	3.48	Multimode	Y	Latch / Auto-Restart
120	120	TOP269	E	Opto	External	Remote Sense	External	< 75	3.48	Multimode	Y	Latch / Auto-Restart
140	140	TOP260	L	Opto	External	Remote Sense	External	< 100	4.2	Multimode	Y	Latch / Auto-Restart
140	140	TOP270	E	Opto	External	Remote Sense	External	< 75	4.2	Multimode	Y	Latch / Auto-Restart
148	148	TOP258	E, Y	Opto	External	Remote Sense	External	< 100	4.3	Multimode	Y	Latch / Auto-Restart
171	171	TOP259	E, Y	Opto	External	Remote Sense	External	< 100	5.15	Multimode	Y	Latch / Auto-Restart
177	177	TOP261	L	Opto	External	Remote Sense	External	< 100	5.17	Multimode	Y	Latch / Auto-Restart
177	177	TOP262	L	Opto	External	Remote Sense	External	< 100	5.17	Multimode	Y	Latch / Auto-Restart
177	177	TOP271	E	Opto	External	Remote Sense	External	< 75	5.17	Multimode	Y	Latch / Auto-Restart
200	200	TOP260	E, Y	Opto	External	Remote Sense	External	< 100	6	Multimode	Y	Latch / Auto-Restart
254	254	TOP261	E, Y	Opto	External	Remote Sense	External	< 100	7.4	Multimode	Y	Latch / Auto-Restart
254	254	TOP262	E	Opto	External	Remote Sense	External	< 100	7.4	Multimode	Y	Latch / Auto-Restart
Output Current, Continuous Mode (mA) (230 VAC)	Output Current, Continuous Mode (mA) (85-265 VAC)	Device	Package	PSR/ Opto	CV Accuracy (best) (%)	Cable-Drop Compensation (1 μF, 10 μF)	CC Accuracy (best)	Typical No Load Power at 230 VAC (buck topology) (mW)	Typical Current Limit (A)	ON/OFF, PWM, Multimode	Output Power Limiting	Output OVP
80	80	LNK302	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.136	ON/OFF	N	N
170	170	LNK304	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.257	ON/OFF	N	N
280	280	LNK305	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.375	ON/OFF	N	N
360	360	LNK306	D, P, G	PSR/Opto	External	Remote Sense	External	< 80	0.482	ON/OFF	N	N

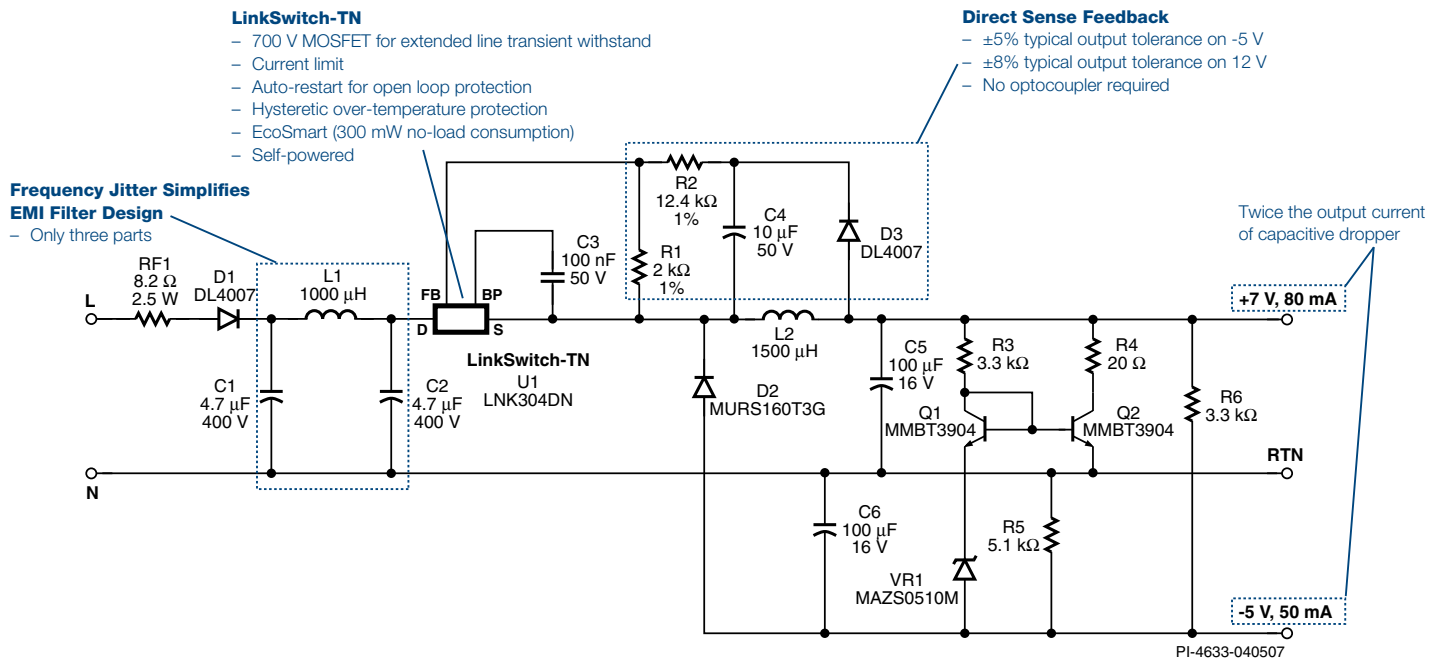
IC Product Tables – Open Frame

Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I ² f Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
LNK6764	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6774	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP268	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP269	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP270	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP254	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP264	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP271	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
LNK6665	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6765	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6775	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP255	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP265	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
LNK6666	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6766	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6776	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP256	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP266	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
LNK6667	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6767	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
LNK6777	Latch / Auto-Restart	Y	Y	Y	N	15	N	132	N	N/A	Y	Programmable
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP267	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP268	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP257	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP259	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP269	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP260	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP270	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP258	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP259	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP261	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP262	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP271	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	Y	2	Y	Y
TOP260	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP261	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
TOP262	Auto-Restart	Y	Y	Y	Dual Slope	17	Y	66/132	N	2	External	Programmable
Device	Output Short-Circuit Protection	Programmable Current Limit	Line UV	Line OV	Line Ripple Rejection	Soft Start (ms)	I ² f Trimming	Nominal Switching Frequency (kHz)	On-Time Extension	Peak Power Delivered During Short Circuit (%)	Fast AC Reset	Integrated Latching Shutdown
LNK302	Auto-Restart	N	N	N	Inherent	N/A	N	66		N/A	N	N
LNK304	Auto-Restart	N	N	N	Inherent	N/A	N	66		6	N	N
LNK305	Auto-Restart	N	N	N	Inherent	N/A	N	66		6	N	N
LNK306	Auto-Restart	N	N	N	Inherent	N/A	N	66		6	N	N

Design Examples – Circuit Operations

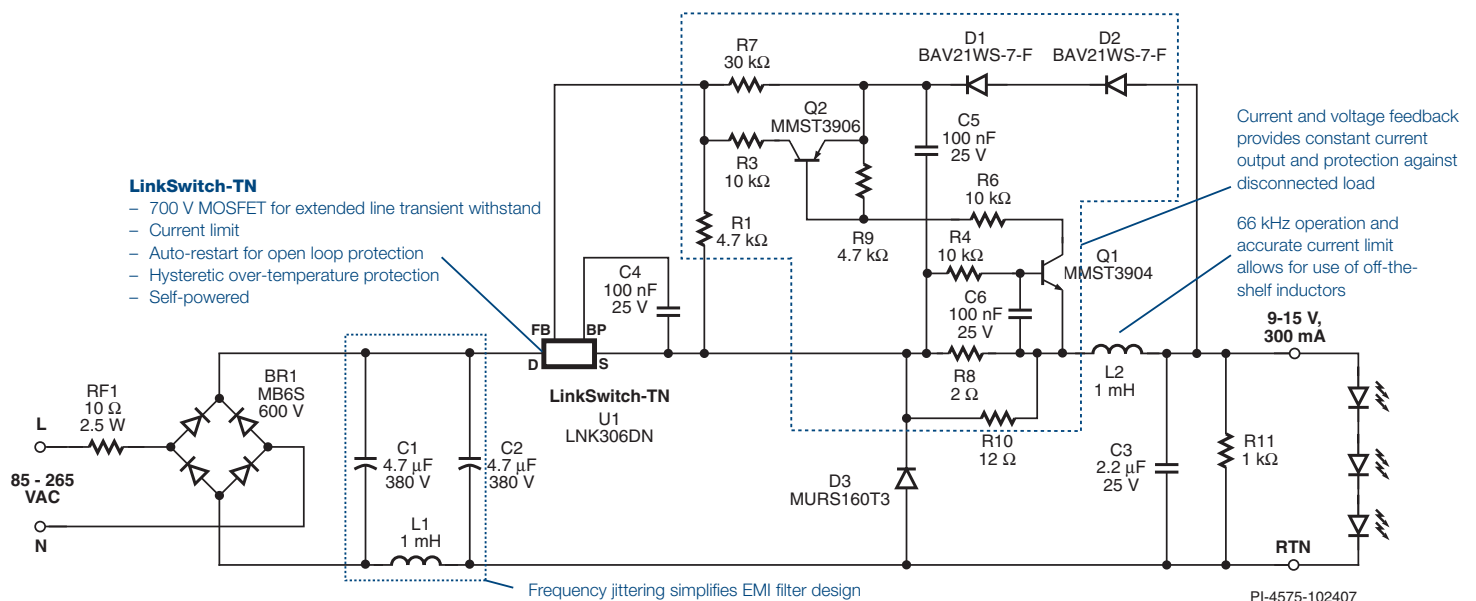
Design Example 1: LinkSwitch-TN – Cap Dropper Replacement for Appliance Control

1.2 W, UNIVERSAL INPUT NON-ISOLATED POWER SUPPLY



Design Example 2: LinkSwitch-TN LED Light Bulb

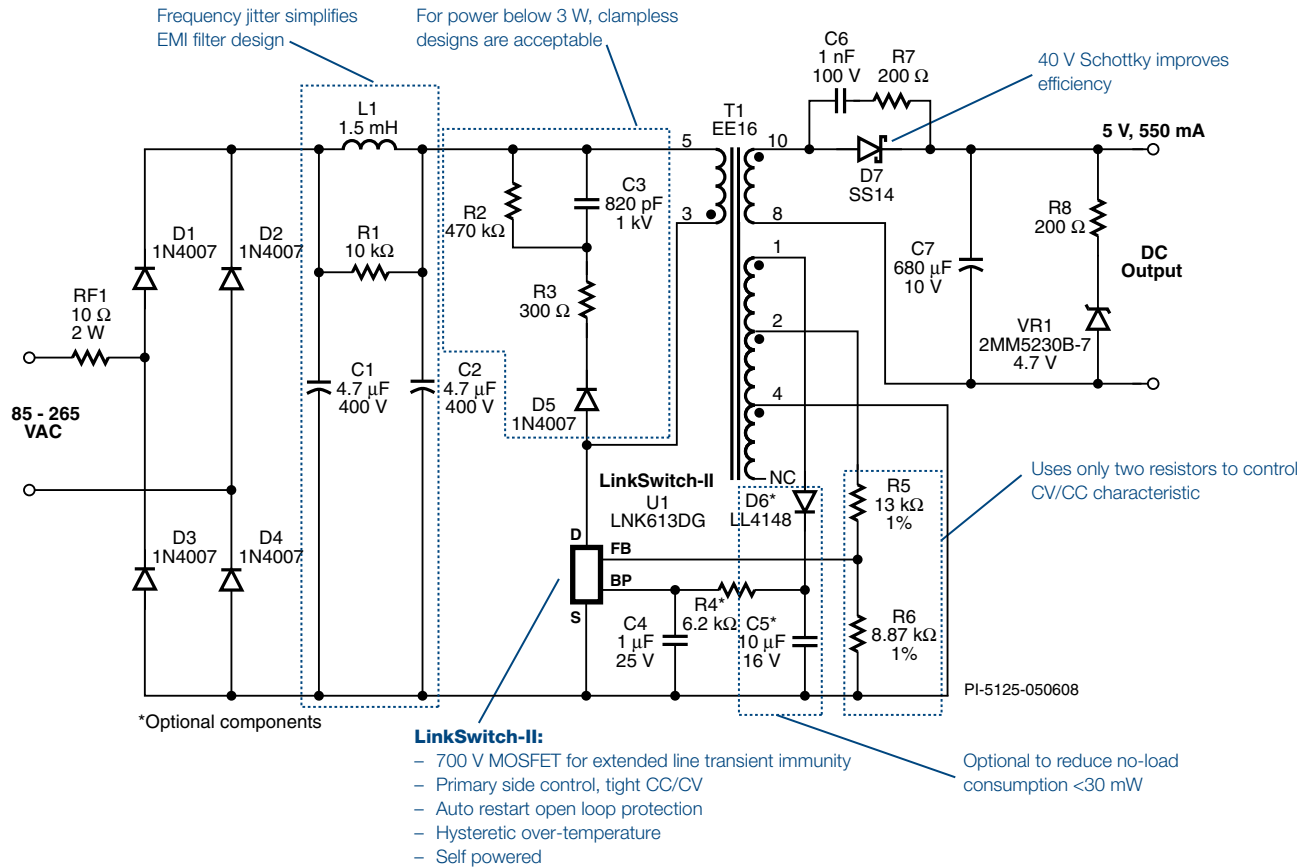
3 W, UNIVERSAL INPUT POWER SUPPLY



Design Examples – Circuit Operations

Design Example 3: LinkSwitch-II – Low Parts Count Solution for Tight CV/CC Output (CV 5%, CC 10%)

2.75 W, UNIVERSAL INPUT POWER SUPPLY



Design Examples – Circuit Operations

Design Example 4: LinkSwitch-LP – Replacement for Unregulated Linear Transformer

2 W, UNIVERSAL INPUT POWER SUPPLY

Built-in Frequency Jitter Simplifies Input Stage

- Simple inductor and capacitor EMI filter
- Allows inductor to be used as a fuse (Filterfuse™)

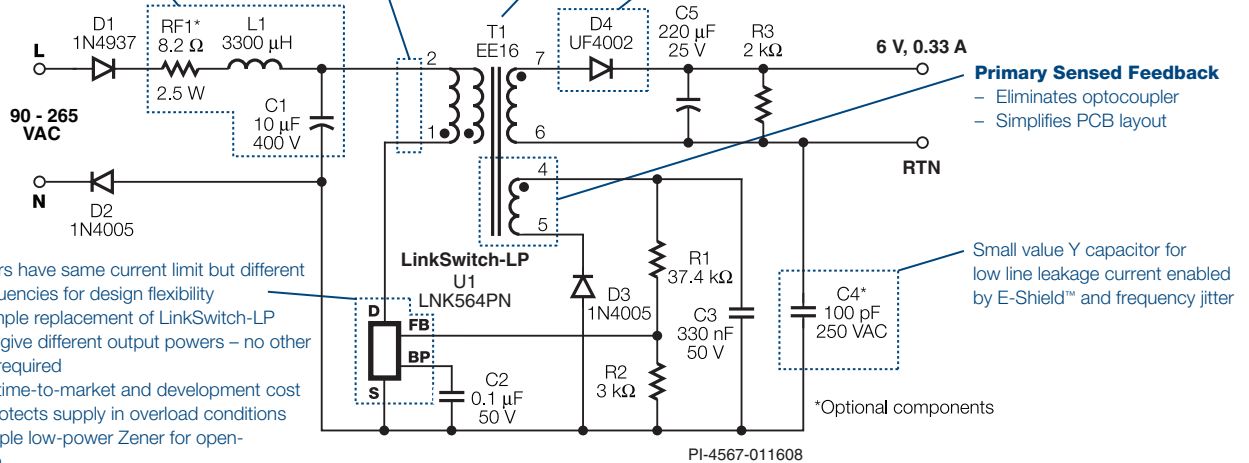
Optimized current limit and tight tolerances enable Clampless™ design

Optimized switching frequency enables low cost core size

Tight parametric tolerances and auto-restart minimize diode size

LinkSwitch-LP

- Family members have same current limit but different switching frequencies for design flexibility
 - Allows simple replacement of LinkSwitch-LP device to give different output powers – no other changes required
 - Reduces time-to-market and development cost
- Auto-restart protects supply in overload conditions and allows simple low-power Zener for open-loop protection
- Combined ON/OFF and variable frequency control provides CV/CC output characteristic without secondary sensing



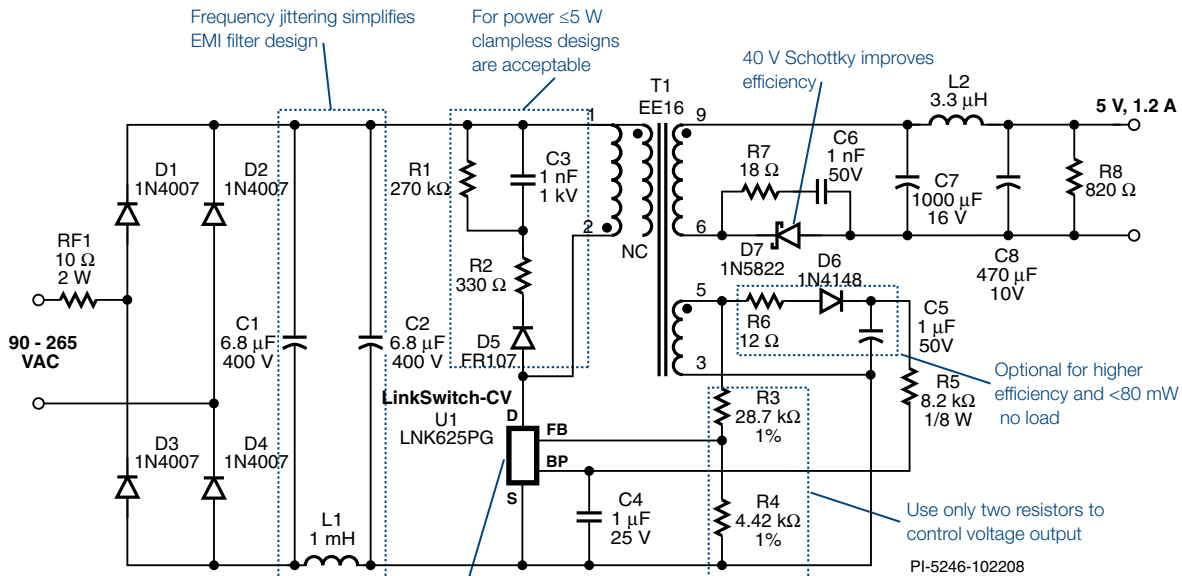
Design Example 5: LinkSwitch-CV – Low Parts Switcher with Accurate Output

6 W, UNIVERSAL INPUT POWER SUPPLY

Frequency jittering simplifies EMI filter design

For power ≤ 5 W clampless designs are acceptable

40 V Schottky improves efficiency



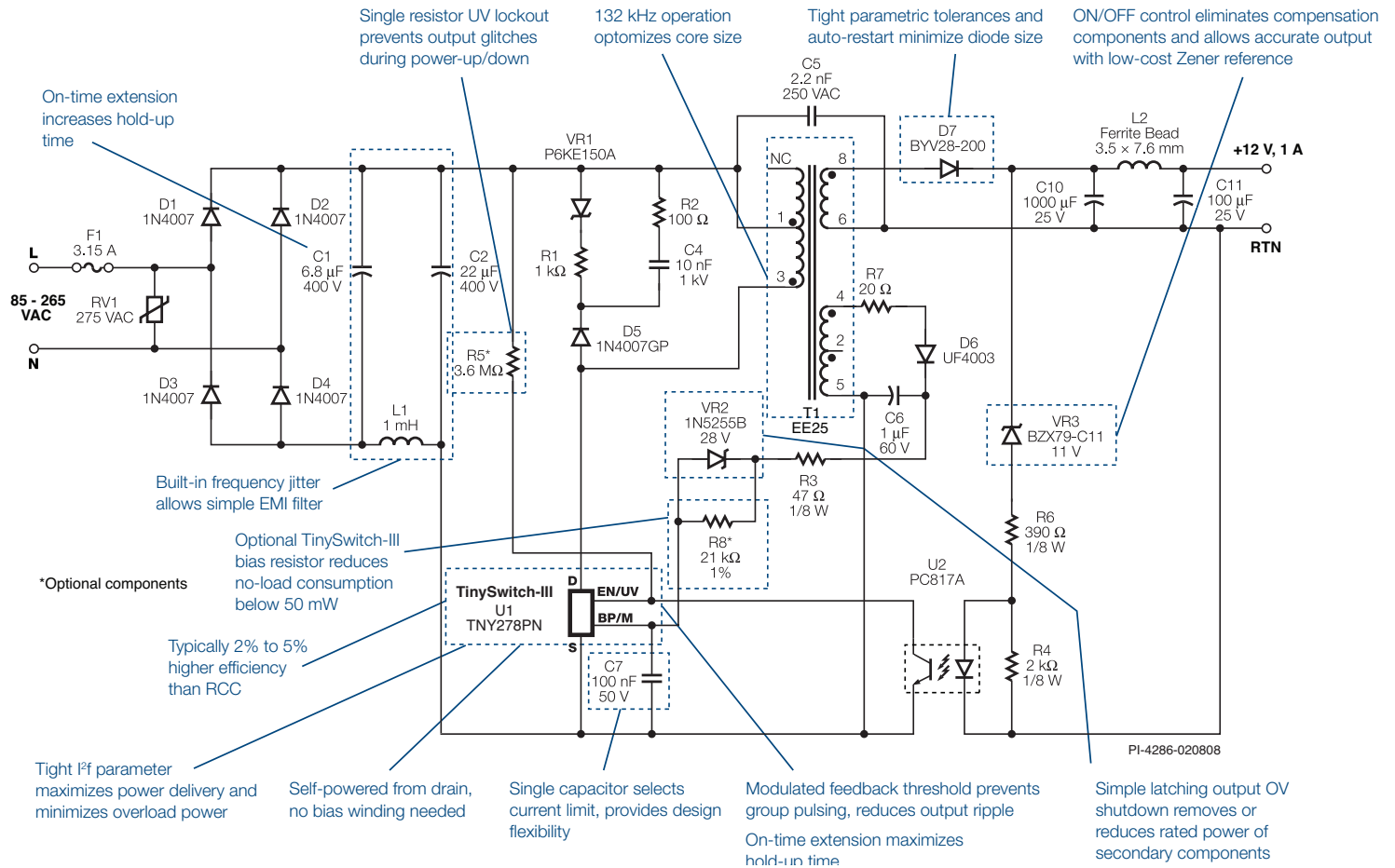
LinkSwitch-CV

- 700 V MOSFET for extended line transient immunity
- Primary side control 5% CV
- Auto restart open-loop protection
- Hysteretic over-temperature
- Self power

Design Examples – Circuit Operations

Design Example 6: TinySwitch-III vs. Discrete Design

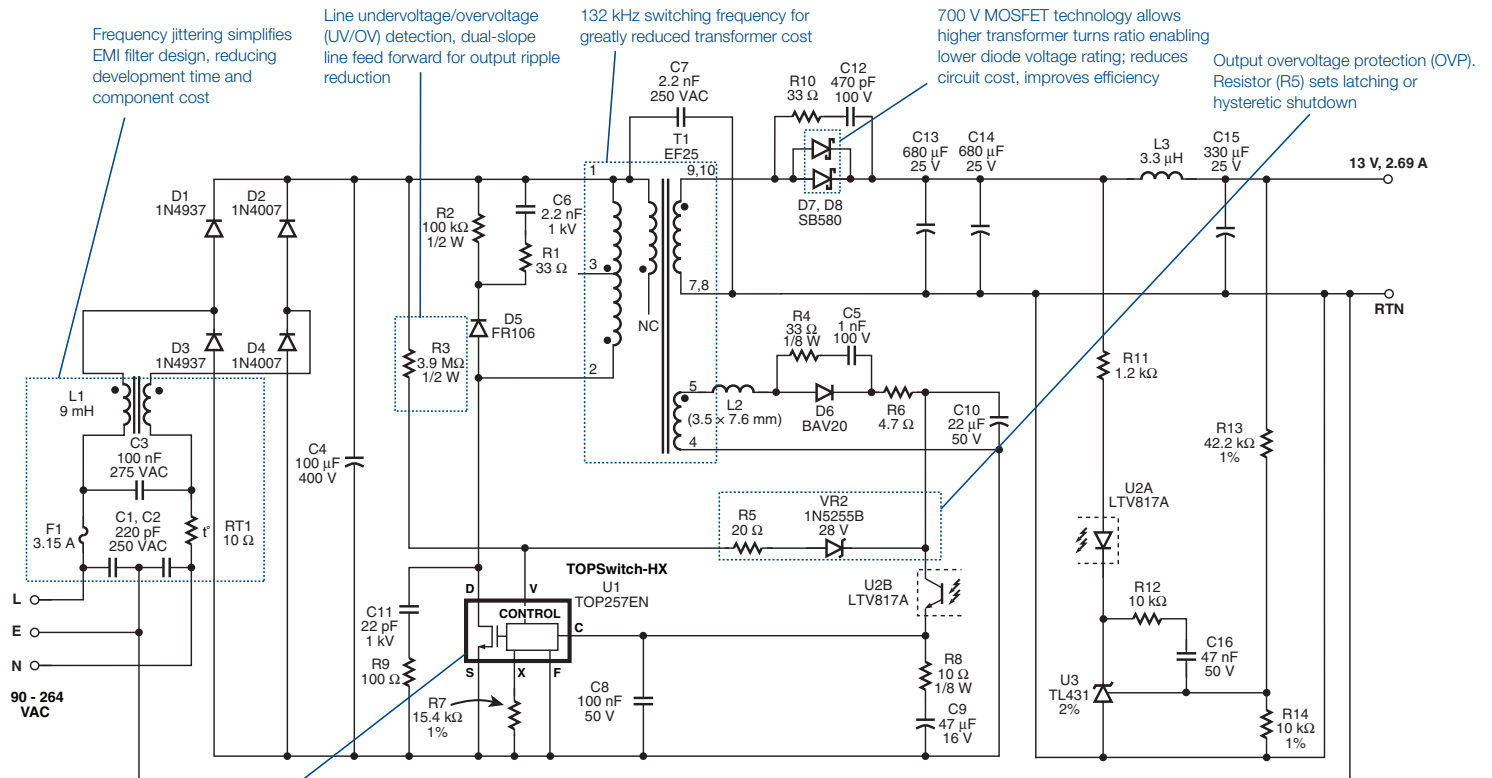
12 W, UNIVERSAL INPUT POWER SUPPLY



Design Examples – Circuit Operations

Design Example 7: TOPSwitch-HX for LCD Monitor Applications

35 W UNIVERSAL INPUT POWER SUPPLY



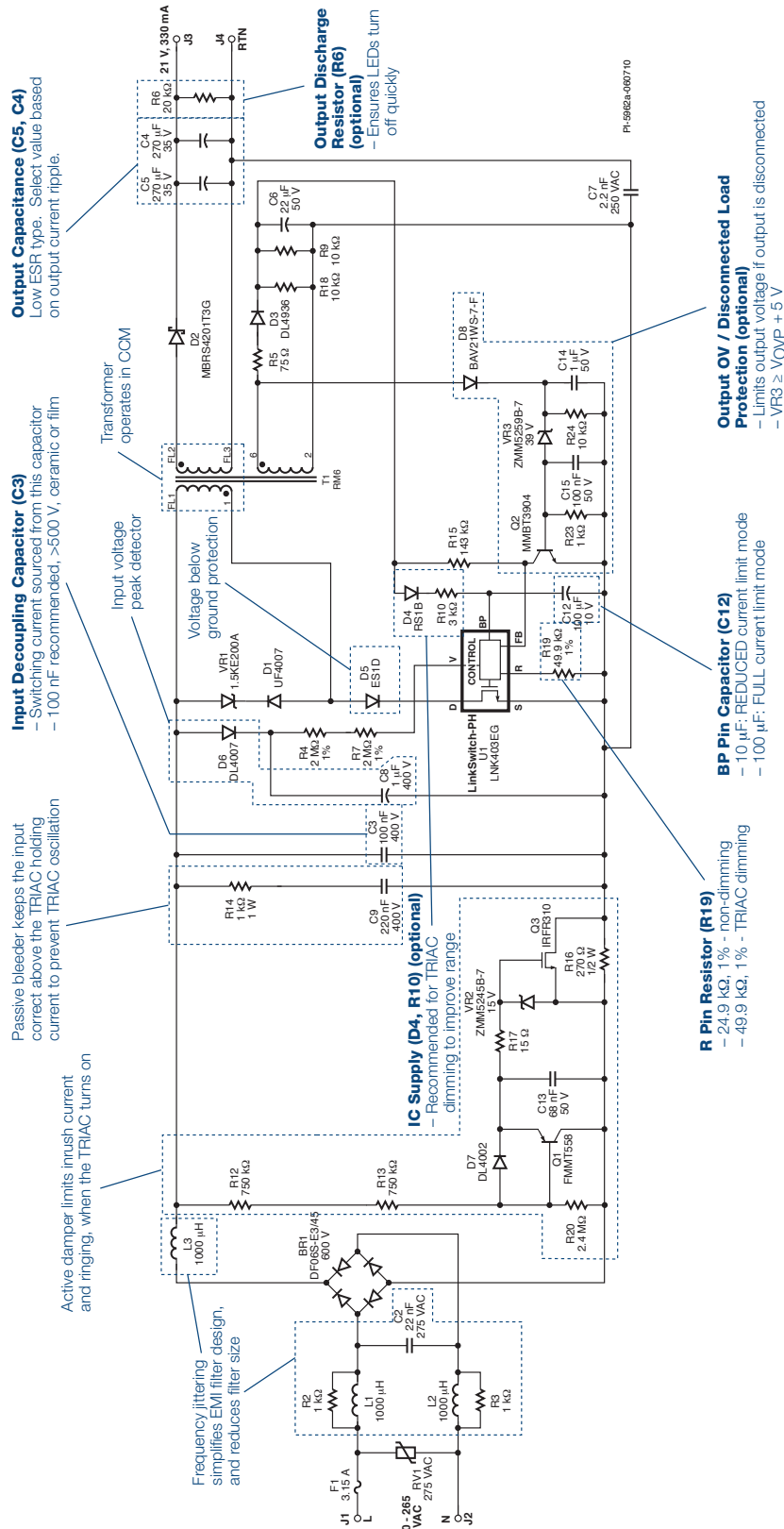
TOPSwitch-HX

- Accurate thermal shutdown with large hysteresis provides complete system-level protection
- Tight If tolerance minimizes the size of the transformer and output diodes and reduces overload to rated power ratio
- Internal high-voltage current source eliminates start-up circuitry
- Internal current sense circuit eliminates sense resistor
- DIP-8 package with 2 Ω MOSFET and optimized pinout eliminates heatsink
- Auto restart limits available power to <3% of maximum power in short-circuit and open-loop fault conditions

Design Examples – Circuit Operations

Design Example 8: LinkSwitch-PH – High-Efficiency, High Power Factor, TRIAC Dimmable LED Driver

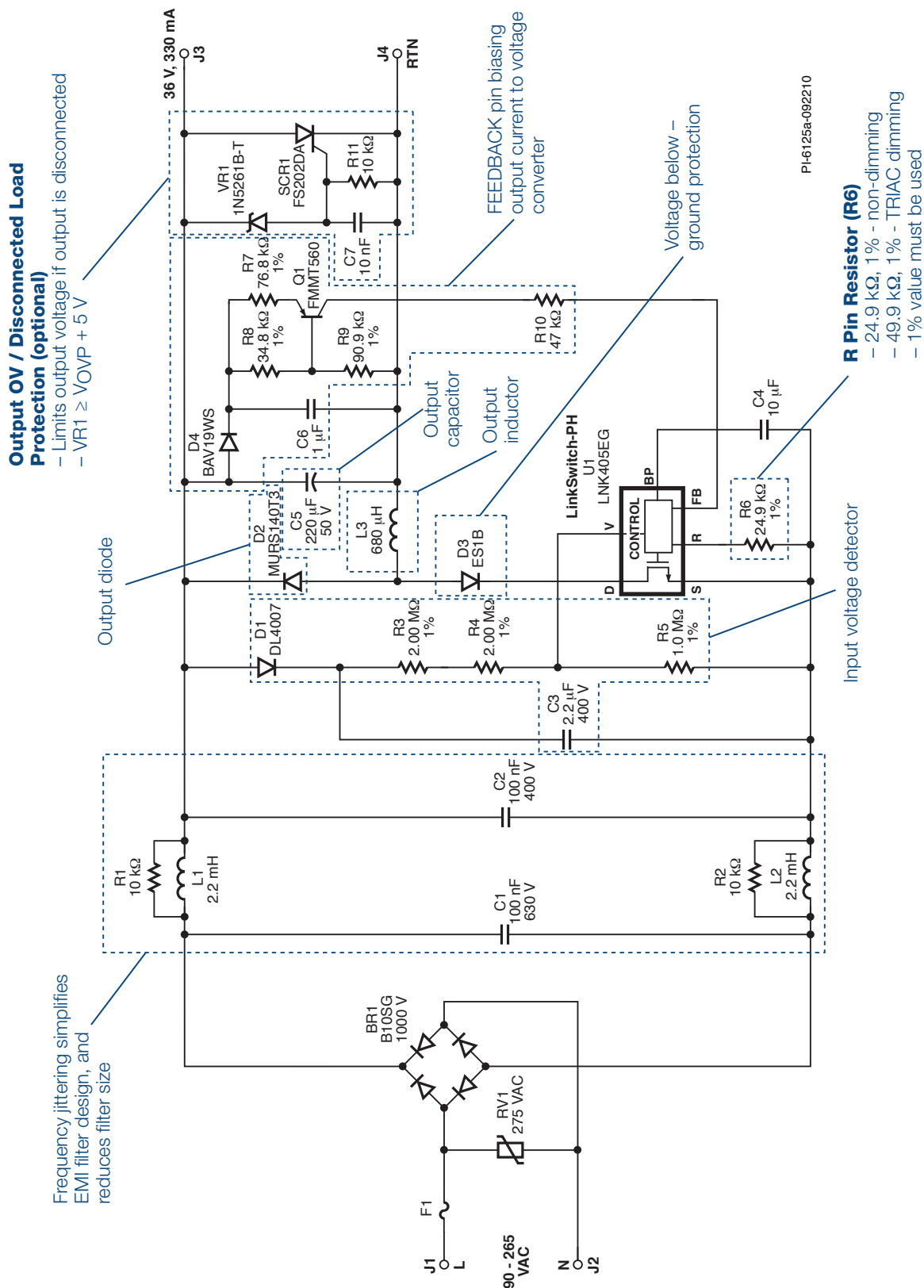
7 W, FLYBACK POWER SUPPLY



Design Examples – Circuit Operations

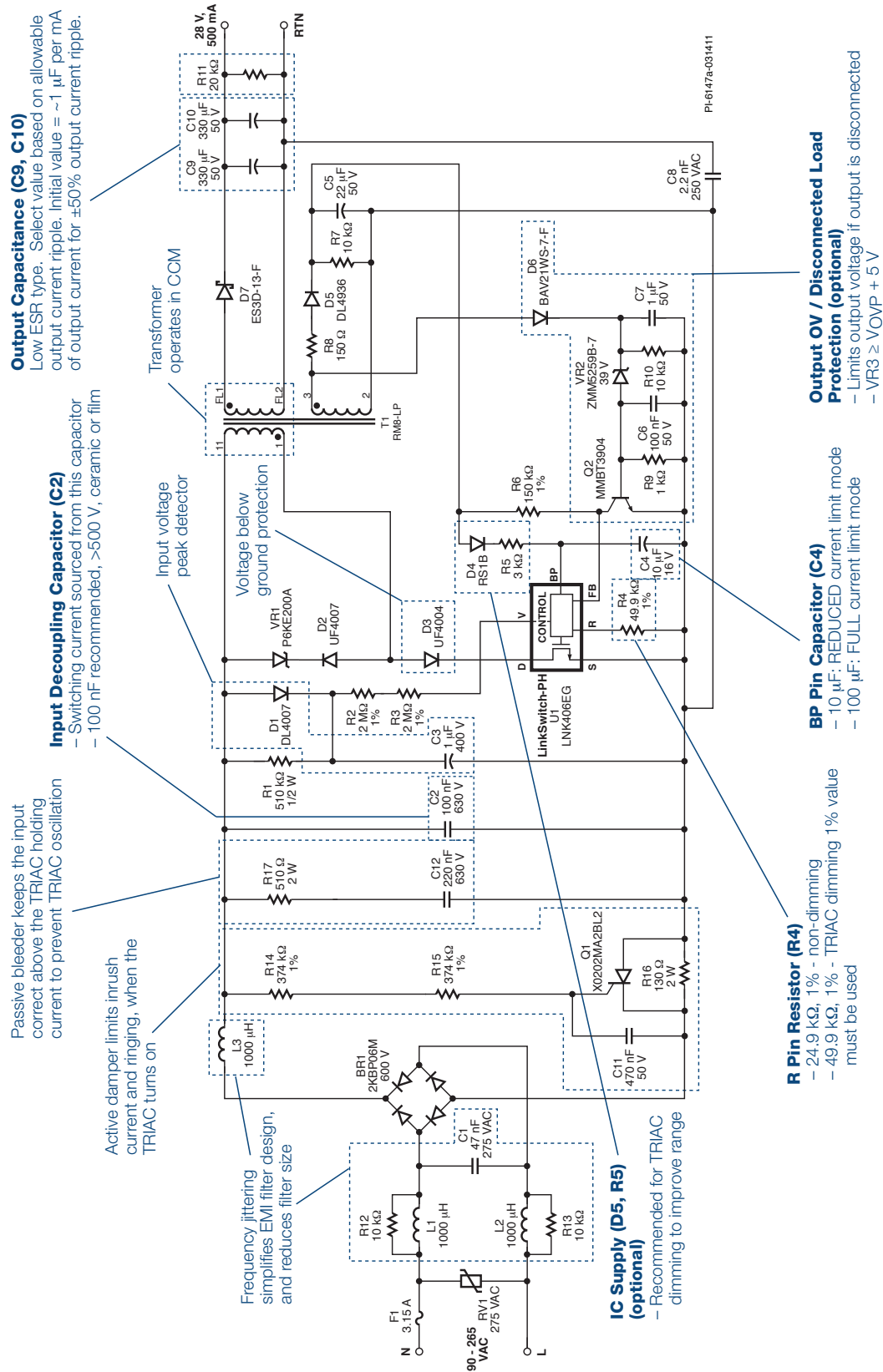
Design Example 9: LinkSwitch-PH – High-Efficiency, High Power Factor, LED Driver

12 W. BUCK CONVERTER POWER SUPPLY



Design Examples – Circuit Operations

Design Example 10: LinkSwitch-PH – High-Efficiency, High Power Factor, TRIAC Dimmable LED Driver 14 W, FLYBACK POWER SUPPLY



Reference Designs

Design Example Report (DER)

Design Example Reports contain a power supply design specification, schematic, bill of materials, transformer documentation, and PCB layout. This design has been built and bench-tested to provide performance data and typical operation characteristics.

DER

Design Idea (DI)

Design Ideas are concise two-page documents describing a design for a specific application. Key design points are highlighted.

DI

Reference Design Report (RDR/EPR)

Reference Design Reports contain a power supply reference design specification, schematic, bill of materials, transformer documentation, and PCB layout. Performance data and typical operating characteristics are included. The design has been put into production for use in our Reference Designs (RDKs/DAKs).

RDR/
EPR

Application	Product Family	AC Input Voltage (V)	Output Voltage (V)	Output Power (W)	Topology	Documents	DAK/RDK
Appliance	LinkZero-AX	85-265	5	1.5	Flyback	DER-260	
	LinkSwitch-TN	85-265	12	1.32	Buck	DER-231	
	LinkSwitch-TN	100-132	5 / 12	2.37	Buck	DER-226	
	TOPSwitch-HX	85-265	8 / 12 / 40	22 (48.6 PK)	Flyback	DER-217	
	LinkSwitch-XT	185-265	7 / -5	2.7 (4.15 PK)	Flyback	DI-179	
	TinySwitch-III	165-265	9	9	Flyback	DI-177	
	TinySwitch-III	200-400	12 / 15	20	Flyback	DI-176	
	LinkSwitch-LP	90-265	2	3	Flyback	DI-154	
	TOPSwitch-HX	185-265	24	50 (70 PK)	Flyback	DI-144	
	LinkSwitch-TN	85-265	7 / -5	1.2	Buck	DI-138	
	LinkSwitch-XT	85-265	5 (0.1 A) / 18 (0.3 A)	5.9	Flyback	DI-133	
	TinySwitch-III	85-265	5 / 24	9.65	Flyback	DI-123	
	TinySwitch-III	85-265	-5 / -12	13 (7.2 PK)	Flyback	DI-122	
	TOPSwitch-HX	102-265	8 / 12	100	Flyback	DER-218	
	LinkSwitch-CV	175-265	9	2.25	Flyback	DER-214	
	TinySwitch-II	90-265	5 / 24	7.3	Flyback	DER-110	
	TOPSwitch-GX	90-300	6	10	Flyback	DER-107	
	TOPSwitch-GX	90-265	24	15	Flyback	DER-106	
	TOPSwitch-GX	207-400	14 / 5	19.3	Flyback	DER-105	
	LinkSwitch-TN	85-135	-24	4.8	Buck/Boost	DER-59	
	TOPSwitch-GX	85-265	12 / -14	20	Flyback	DER-53	
	LinkSwitch-TN	108-265	-12	3	Buck/Boost	DER-49	
	LinkSwitch-TN	85-265	12	1.44	Buck	EPR-48	
	LinkSwitch-TN	85-265	12	1.8	Buck/Boost	DER-45	
	TOPSwitch-GX	85-265	5 / 13 / 24	15	Flyback	DER-28	
Audio Amplifier	TOPSwitch-GX	85-265	16	16	Flyback	DI-34	

Reference Designs

Application	Product Family	AC Input Voltage (V)	Output Voltage (V)	Output Power (W)	Topology	Document	DAK/RDK
Charger/Adapter	LinkSwitch-HP	90-265	12	30	Flyback	RDR-313	RDK-313
	LinkSwitch-II	85-264	5	5	Flyback	DER-267	
	LinkZero-LP	85-265	6	2.1	Flyback	DER-258	
	TOPSwitch-JX	90-265	12	18	Flyback	DER-237	
	TOPSwitch-HX	90-265	12	18	Flyback	DER-234	
	TOPSwitch-HX	90-265	6	15	Flyback	DER-233	
	LinSwitch-XT	85-265	5	3	Flyback	DER-227	
	LinkSwitch-II	85-265	5	2.75	Flyback	DER-207	
	LinkSwitch-CV	90-265	5	6	Flyback	DI-201, RDR-201	RDK-201
	TOPSwitch-HX	90-265	19	65	Flyback	DER-197, DI-197	
	TOPSwitch-HX	90-265	19.7	65	Flyback	DER-196, DI-196	
	TOPSwitch-HX	90-265	19 / $\pm 5\%$	65	Flyback	DI-182	
	LinkSwitch-II	85-265	8	2.4	Flyback	DI-159, RDR-159	
	LinkSwitch-II	85-265	5	5	Flyback	DI-158, RDR-158	RDK-158
	LinkSwitch-II	85-265	5	2.75	Flyback	DI-157, RDR-157	
	TinySwitch-III	90-265	5 / $\pm 5\%$	10	Flyback	DI-140	
	LinkSwitch-XT	90-264	5	2.75	Flyback	DER-135, DI-135	
	LinkSwitch-LP	90-265	5	1.75	Flyback	DI-132	
	TinySwitch-III	90-265	5.7	4.5	Flyback	DI-118	
	TinySwitch-III	90-265	12	15	Flyback	DI-117	
	TinySwitch-III	85-265	5	5	Flyback	DI-113	
	LinkSwitch-XT	85-265	6.2	2	Flyback	DI-89, EPR-89	DAK-89
	LinkSwitch-LP	85-265	6	2	Flyback	DI-85, EPR-85	DAK-85
	TinySwitch-II	85-265	5 (0.6 A)	3	Flyback	DI-84	
	LinkSwitch-XT	85-265	5	3	Flyback	DER-62	
Cordless Phone	LinkSwitch-LP	85-265	7.7	1.6	Flyback	DI-119	
	LinkSwitch-LP	85-265	7.7	1.6	Flyback	RDR-83	RDK-83
DC-DC Converter / Communications	DPA-Switch	36-75 (DC)	3.3	6.6	Flyback	EPR-71	DAK-71A
	DPA-Switch	36-75 (DC)	12	60	Flyback	DI-57	
	DPA-Switch	36-75 (DC)	± 12	19.2	Flyback	DI-56	
	DPA-Switch	36-75 (DC)	5 / 3.3	50	Forward Sync. Rect.	DI-53	
	DPA-Switch	36-75 (DC)	12	60	Forward Sync. Rect.	DI-52	
	DPA-Switch	36-75 (DC)	5	5	Flyback	DI-51	
	DPA-Switch	36-75 (DC)	2.5	20	Forward Sync. Rect.	DI-40	
	DPA-Switch	36-75 (DC)	3.3	16.5	Forward Sync. Rect.	DI-37	
	DPA-Switch	36-75 (DC)	5	70	Forward Sync. Rect.	DI-31	
	DPA-Switch	36-75 (DC)	7	25	Flyback	DI-29	
	DPA-Switch	36-75 (DC)	5	30	Forward Sync. Rect.	DI-25	
	DPA-Switch	36-75 (DC)	5	30	Forward Sync. Rect.	DI-24	
	DPA-Switch	36-75 (DC)	5	30	Forward Sync. Rect.	EPR-21	DAK-21A
DC-DC Converter / IP Phone	DPA-Switch	36-72 (DC)	5 / 7.5 / 20	15	Forward Sync. Rect.	DER-24	

Reference Designs

Application	Product Family	AC Input Voltage (V)	Output Voltage (V)	Output Power (W)	Topology	Document	DAK/RDK
DC-DC Converter / PoE Class 0-3	DPA-Switch	36-57 (DC)	3.3	6.49	Flyback	DI-88	
DC-DC Converter / PoE Class 2 PD	DPA-Switch	33-57 (DC)	3.3	6.6	Flyback	EPR-86	DAK-86
DC-DC Converter / PoE/VoIP	DPA-Switch	36-57 (DC)				DI-102	
	DPA-Switch	34-57 (DC)				DI-101	
DC-DC Converter / PoE/VoIP Phone	DPA-Switch	36-75 (DC)	5 / 7.5 / 20	15	Forward Sync. Rect.	DI-70	
	DPA-Switch	36-57 (DC)	3.3	6.6	Flyback	EPR-68	DAK-68A
DC-DC Converter / Security Camera	DPA-Switch	28-60 (DC)	3.3 / 9 / 24	22	Flyback	DER-120	
DC-DC Converter / VoIP Phone	DPA-Switch	37-57 (DC)	3.3 / 5 / 12	10	Flyback	DER-96	
	DPA-Switch	36-75 (DC)	5 / 7.5 / 20	15	Forward Sync. Rect.	DI-69	
DC-DC Power Supply	DPA-Switch	36-75 (DC)	12	60	Flyback	DER-20	
Digital Video Recorder	TOPSwitch-GX	85-265	3.3 / 5 / 12 / 23 / 30	41	Flyback	DER-98	
	TOPSwitch-GX	85-265	30 / 23 / 12 / 5 / 3.3	41	Flyback	DER-44	
DVD / Set-Top Box	TinySwitch-III	90-265	5 / $\pm$ 12 / -24	25	Flyback	DI-116	
DVD Player / Recorder	LinkSwitch-CV	85-265	5 / 12 / -22	7 (cont.) / 10 (PK)	Flyback	DI-198, DER-198	
	TOPSwitch-GX	85-265	3.3 / 5 / 12 / -24	20	Flyback	DI-55	
	TOPSwitch-GX	90-265	12 / 5 / 3.3 / -22	21	Flyback	DER-40	
	TOPSwitch-GX	85-265	3.3 / 5 / $\pm$ 12	13	Flyback	DI-39	
	TOPSwitch-GX	90-265	3.4 / 12 / 5 / 6 / 14 / 40	11	Flyback	DER-21	
	TOPSwitch-GX	90-265	3.4 / 3.5 / 5.1 / 12 / 33 / -5.3 / -22	17	Flyback	DER-18	
DVD Player / Recorder (portable)	TOPSwitch-GX	90-265	9.7	30	Flyback	DER-95	
	TOPSwitch-JX	85-264	12	30	Flyback	RDR-242	RDK-242
	TinySwitch-III	85-265	12	15	Flyback	DER-228	
	LinkSwitch-CV	85-265	5 / 12	3.8	Flyback	DER-213	
	TOPSwitch-HX	85-265	12	20	Flyback	DER-188	
	TinySwitch-III	85-265	12	12	Flyback	DI-91, RDR-91	RDK-91
	TOPSwitch-GX	85-265	12	30	Flyback	EPR-34	
High-Speed Modem	TOPSwitch-GX	85-265	3.3 / 5 / 30	10	Flyback	DI-23	
	TOPSwitch-GX	85-265	3.3 / 5 / 30	10	Flyback	EPR-18	
Industrial Controls	LinkSwitch-LP	185-265	12	2.5	Flyback	DI-202	
	TinySwitch-III	18-30	5	1.25	Flyback	DI-153	
	TinySwitch-III	18-265	5	3	Flyback	DI-152	
LCD Monitor	LinkSwitch-HP	90-265	5 / 18	17	Flyback	RDR-321	RDK-321
	TOPSwitch-JX	90-264	5 / 16	36.3	Flyback	DER-259	
	TOPSwitch-JX	90-265	5 / 14.5	27	Flyback	DER-235	
	TOPSwitch-HX	90-265	5 / 15	40	Flyback	DER-191	
	TOPSwitch-HX	90-265	13	35	Flyback	DER-187, DI-187	
	TOPSwitch-HX	90-265	5 / 15	35	Flyback	DI-146	
	TOPSwitch-HX	90-256	5 / 12	35	Flyback	DI-142, RDR-142	RDK-142

Reference Designs

Application	Product Family	AC Input Voltage (V)	Output Voltage (V)	Output Power (W)	Topology	Document	DAK/RDK
LCD TV	TOPSwitch-HX / TinySwitch-III	108-132	24, 12, 5	133	Flyback	DER-204	
LED Backlight	DPA-Switch	24 (DC)	40 (0.5 A) / 60 (0.5 A)	20 / 30	Boost	DER-112	
LED Driver	LinkSwitch-PH	90-132	30	14.5	Buck	DER-341	
	LinkSwitch-PL	85-135	85	20	Buck-Boost	DER-345	
	LinkSwitch-PH	90-300	54	40.5	Buck	DER-340	
	LinkSwitch-PL	195-265	85	20	Buck	DER-337	
	LinkSwitch-PL	190-265	9	7.5	Tapped-Buck	DER-327	
	LinkSwitch-PL	90-135	85	18	Buck-Boost	DER-323	
	LinkSwitch-PL	90-132	230	7	Boost	DER-324	
	LinkSwitch-PL	195-265	78	18	Buck	DER-322	
	LinkSwitch-PH	185-265	50	23	Flyback	DER-318	
	LinkSwitch-PH	90-132	48	4.5	Buck-Boost	DER-315	
	LinkSwitch-PH	185-265	36	15.3	Flyback	DER-314	
	LinkSwitch-PL	185-265	81	18	Buck	DER-312	
	LinkSwitch-PL	90-135	36	10	Buck	DER-306	
	LinkSwitch-PL	185-265	50	10	Buck	DER-305	
	LinkSwitch-PL	190-265	48	4.5	Buck-Boost	DER-304	
	LinkSwitch-PL	185-265	36	7.2	Buck	DER-303	
	LinkSwitch-PL	185-265	36	7.2	Buck	DER-302	
	LinkSwitch-PL	190-264	48	3.8	Buck	DER-301	
	LinkSwitch-PH	90-265	200	18	Buck-Boost	DER-298	
	LinkSwitch-PL	85-132	48, 96, 48	4.3	Buck-Boost	DER-297	
	LinkSwitch-PH	176-265	66	7.4	Flyback	DER-296	
	LinkSwitch-PH	90-265	30	15	Flyback	DER-289	
	LinkSwitch-PH	90-265	30	15	Flyback	DER-288	
	LinkSwitch-PH	180-265	100	25	Buck-Boost	DER-287	
	LinkSwitch-PH	90-308	30	30	Flyback	DER-286	
	LinkSwitch-PH	180-265	72	25	Buck-Boost	DER-285	
	LinkSwitch-PH	90-265	30	15	Flyback	DER-284	
	LinkSwitch-PH	180-265	30	15	Flyback	DER-281	
	LinkSwitch-PH	90-265	30	15	Flyback	DER-278	
	LinkSwitch-PH	90-265	18	7	Flyback	DER-277	
	LinkSwitch-PH	90-265	36	12	Buck-Boost	DER-273	
	LinkSwitch-PL	85-135	35	4.55	Buck-Boost	RDR-271	RDK-271
	LinkSwitch-PH	185-264	26.5	6.9	Flyback	DER-269	
	LinkSwitch-PL	85-265	3	1.1	Flyback	RDR-268	RDK-268
	LinkSwitch-PH	198-265	22	8	Flyback	DER-264	
	LinkSwitch-II	90-265	12	3.6	Flyback	DER-261	
	LinkSwitch-PH	90-265	36	12	Buck	RDR-257	RDK-257
	LinkSwitch-PH	90-265	50	15	Flyback	DER-256	
	LinkSwitch-PL	90-265	12-18	5	Flyback	RDR-251	RDK-251
	LinkSwitch-II	85-265	12	8.4	Flyback	DER-215	
	LinkSwitch-TN	85-265	554	11	Boost	DI-210	
	LinkSwitch-II	90-265	10.5	3.6	Flyback	DI-206	
	LinkSwitch-PH	90-265	28	14	Flyback	RDR-195	
	LinkSwitch-PH	90-265	28	14	Flyback	RDR-194	RDK-194

Reference Designs

Application	Product Family	AC Input Voltage (V)	Output Voltage (V)	Output Power (W)	Topology	Document	DAK/RDK
LED Driver	LinkSwitch-PH	90-265	21	7	Flyback	RDR-193	RDK-193
	LinkSwitch-PH	90-265	36	12	Buck	DER-192	
	LinkSwitch-II	85-265	12	4.2	Tapped Buck	DER-186, DI-186	
	LinkSwitch-II	85-265	12	4.2	Flyback	DER-185, DI-185	
	LinkSwitch-II	85-265	7.6	5.32	Flyback	DER-184, DI-184	
	TinySwitch-III	195-265	20	14	Flyback	DER-173, DI-173	
	LinkSwitch-TN	90-132	70	9.1	Buck	DER-172, DI-172	
	LinkSwitch-TN	108-132	70	9	Buck-Boost	DI-171	
	TOPSwitch-GX	85-277	12 / 18 (1.67 A)	20	Flyback	DER-168, DI-168	
	TOPSwitch-GX	85-277	12	1.67	Flyback	DER-167	
	TOPSwitch-GX	208-277	24	75	Flyback	DER-136	
	LinkSwitch-TN	85-265	12	3	Buck	DI-131, RDR-131	RDK-131
	TinySwitch-III	185-265	10 (1.8 A)	18	Flyback	DI-130	
	TOPSwitch-GX	90-265	8	24	Flyback	DER-100	
	LinkSwitch-TN	85-265	12.9 (40 mA)	0.5	Buck-Boost	DER-92, DI-92	
	LinkSwitch-TN	85-265	12 (100 mA)	1.25	Buck-Boost	DI-74	
Motor Control	LinkSwitch-TN	85-265	15 / 12	1.6	Flyback	DER-48	
	LinkSwitch-TN	85-265	15	2	Buck	DER-47	
Notebook Adapter	TOPSwitch-JX	90-265	19	65	Flyback	DER-243	
	TOPSwitch-HX	90-265	19.7	65	Flyback	DER-232	
	TOPSwitch-HX	90-265	19	40	Flyback	DER-230	
	TOPSwitch-HX	90-264	19	40	Flyback	DI-199	
	TOPSwitch-HX	85-265	19.7	65	Flyback	DER-196	
	TOPSwitch-GX	85-265	19	70	Flyback	DI-22	
	TOPSwitch-GX	85-265	19	70	Flyback	EPR-11	
PC Main	TOPSwitch-GX	90-132 / 180-265	3.3 / 5 / $\pm$ 12	180	Forward Sync. Rect.	EPR-31	
	TOPSwitch-GX	90-130 / 180-265	3.3 / 5 / $\pm$ 12	180	Forward Sync. Rect.	DI-30	
	TOPSwitch-GX	90-130 / 180-265	3.3 / 5 / 12	145	Forward Sync. Rect.	DI-20	
	TOPSwitch-GX	90-132 / 180-265	3.3 / 5 / 12	145	Forward Sync. Rect.	EPR-12	
PC Standby	TinySwitch-4	90-295	5	20	Flyback	RDR-295	RDK-295
	TOPSwitch-JX	110-400	12	30	Flyback	DER-275	
	CAPZero	85-264	N/A	N/A	N/A	RDR-252	RDK-252
	TOPSwitch-JX	110-400	5	20	Flyback	DER-247	
	TOPSwitch-JX	110-400	12	30	Flyback	DER-246	
	TOPSwitch-HX	100-375 (DC)	5	20	Flyback	DI-190	
	TinySwitch-III	85-295 / 110-420 (DC)	5 (4 A) / 15 (67 mA)	21	Flyback	DER-114	

Reference Designs

Application	Product Family	AC Input Voltage (V)	Output Voltage (V)	Output Power (W)	Topology	Document	DAK/RDK
Portable Audio Player	TinySwitch-III	90-265	5 / $\pm 5\%$	10	Flyback	DI-140	
	TinySwitch-III	85-264	5	5	Flyback	DER-113	
Printer (Inkjet)	TOPSwitch-HX	90-264	32	20 (80 PK)	Flyback	DI-143	
Printer (Laser)	TOPSwitch-JX	90-264	5	50	Flyback	DER-245	
Set-Top Box	TinySwitch-III	85-300	3.3 / 5 / 22	15	Flyback	DI-163	
	TOPSwitch-HX	85-265	12	30	Flyback	DI-162	
	TOPSwitch-GX	160-275	3.3 / 5 / 9	17.4	Flyback	DER-99	
	TOPSwitch-GX	195-265	1.8 / 3.3 / 5 / 12	16	Flyback	DER-51	
	TOPSwitch-GX	195-265	2.5 / 3.3 / 5 / 9 / 32	13	Flyback	DER-34	
	TOPSwitch-GX	195-265	2.5 / 3.3 / 5 / 6.6 / 12	13	Flyback	DER-23	
	TOPSwitch-GX	98-135	1.8 / 3.3 / 7 / 17 / 22	16	Flyback	DER-22	
	TOPSwitch-GX	195-265	3.3 / 5 / 12 / 20	32	Flyback	DER-19	
Streetlight	LinkSwitch-PH	180-300	29-36	75	Flyback	RDR-290	RDK-290
	LinkSwitch-PH	184-277	30-36	150	Flyback	DER-291	
Telecom Line Card	DPA-Switch	-36 to -75 (DC)	3.3 / ± 5	22	Forward Sync. Rect.	DER-32	
	DPA-Switch	38-58 (DC)	6.5 / 8.2 / 12.5 / -5	26	Forward Sync. Rect.	DER-31	
	DPA-Switch	-36 to -72 (DC)	3.3	3.3	Flyback	DER-30	
	DPA-Switch	-40 (DC)	-28 / -65	24.5	Flyback	DER-43	
	LinkSwitch-LP	85-265	7	0.98	Flyback	DI-164	
Utility Meter	LinkSwitch-XT	85-265	5	75	Flyback	DER-141, DI-141	
	LinkSwitch-TN	85-265	12 / 3.3	1.25	Buck	DI-139	
	LinkSwitch-TN	85-265	12 / 5	1.2	Buck / Buck-Derived	RDR-138	RDK-138
	LinkSwitch-TN	57-580	12	3	Flyback	DI-124	
	LinkSwitch-TN	85-265	12	0.6	Buck	DI-80	
	LinkSwitch-TN	57-580	12	3	Flyback	DER-58	
	LinkSwitch-TN	57-580	12	3	Flyback	DER-58	
Video Game	TOPSwitch-GX	90-265	5.25	16	Flyback	DER-37	
VoIP AC Adapter	TOPSwitch-GX	85-265	48	21.7	Flyback	DER-97	

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