

INFINEON Power Semiconductors

 This product is RoHS compliant.



Power Management

SMART LOW SIDE SWITCHES

HITFET® - Fully Protected Universal Switches provide a higher level of protection with over temperature, short circuit, over current, overvoltage and END. HITFET® combines all these protection features in one easy-to-use device. With these features and Infineon's renowned quality and reliability you can be confident the HITFET® can meet even the most challenging application requirements. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Infineon Part No.	Package Type	V _{DS} (Max.)	I _D (Max.)	R _{DS} (ON) (Max.)	P _{tot} (Max.)	Price Each			
							1	10	100	500
726-BTS3205G	BTS3205G	DSO-8	42.0V	0.35A	700mOhm	0.78W	.82	.75	.68	.501
726-BTS3207N	BTS3207N	SOT223-4	42.0V	0.64A	500mOhm	3.8W	1.03	.889	.702	.515
726-BTS3405G	BTS3405G	DSO-8	42.0V	0.35A	700mOhm	0.78W	1.46	1.30	1.03	.805

SMART HIGH SIDE SWITCHES

The highly integrated PROFET® family (PROtected FET) incorporates a broad range of smart features. PROFET® intelligent power switches consist of a DMOS power transistor and CMOS logic circuitry for complete built-in protection. They offer protection against e.g. overload, over temperature, short circuit for all kinds of automotive and industrial applications. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Infineon Part No.	Package Type	V _{DS} (Max.)	I _L (SCR)	R _{ON} (Max.)	P _{tot} (Max.)	V _{BB} (Max.)	Price Each			
								1	10	100	500
726-BTS5231-2GS	BTS5231-2GS	DSO-14	40.0V	8.0A	140.0mOhm	0.9W	28.0V	2.53	2.17	2.02	1.79
726-BTS5235-2G	BTS5235-2G	DSO-20	40.0V	23.0A	60.0mOhm	1.4W	28.0V	3.05	2.74	2.23	1.37
726-BTS5235-2L	BTS5235-2L	DSO-12	40.0V	23.0A	60.0mOhm	1.6W	28.0V	3.71	3.14	2.74	2.62
726-BTS5242-2L	BTS5242-2L	DSO-12	40.0V	11.0 - 50.0A	25.0mOhm	1.4W	28.0V	4.44	3.99	3.25	1.99
726-BTS5246-2L	BTS5246-2L	DSO-12	40.0V	50.0A	19.0mOhm	1.4W	28.0V	5.37	4.10	4.09	2.86
726-ISP752T	ISP752T	DSO-8	62.0V	6.5A	200.0mOhm	1.5W	52.0V	1.85	1.58	1.29	1.00
726-ITS4140N	ITS4140N	SOT223-4	62.0V	0.9A	1,500.0mOhm	1.7W	60.0V	1.30	1.16	.926	.72
726-BSP742T	BSP742T	PG-DSO-8	-	3.0A	350.0mOhm	1.5W	40.0V	2.57	2.27	1.79	1.39

SPDT RF SWITCHES

RF-Switches for Rx/Tx switching, band select or antenna diversity switching are used in almost every wireless application, like cellular phones, WLAN, WiMAX, GPS-navigation systems, bluetooth accessories or remote-keyless entry (RKE). Infineon RF Switches are manufactured in a unique RF-CMOS technology, combining the inherent advantages of CMOS technology with outstanding RF performance. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Infineon Part No.	Package Type	P _{0.1dB} (Min.) (dBm)	Switching Time (Max.) (µs)	Isolation @1GHz (dB)	Insertion Loss @1GHz (dB)	P _{max} (dBm)	Price Each			
								1	10	100	500
726-BGS12AL74E6327	BGS12AL74E6327XT	TSLP-7-4	21	4	32	0.4 dB	21	.61	.54	.491	.36
726-BGS12AL76E6327XT	BGS12AL76E6327XT	TSLP-7-6	21	4	32	0.4 dB	21	.64	.50	.40	.269

INTEGRATED POWER ICs

Highly suited for power supplies design in Consumer Appliances, CoolSET® (Integrating Control IC & CoolMOS™ in one package) continues to mark a new dimension in design agility and miniaturization. The CoolSET® F3 family provides the highest output power with the lowest losses available in industry. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Infineon Part No.	Package Type	V _{DS} (Max.)	I _D (Nom)	R _{DS} (on) (Max.)	P _{IN} (Max.)	ESD (Max)	Price Each			
								1	10	100	500
CoolSET® F2											
726-ICE2A0565	ICE2A0565	DIP-8	650.0V	0.5A	4.7Ohm	13.0W	2.0kV	1.74	1.55	1.21	.955
726-ICE2A165	ICE2A165	DIP-8	650.0V	1.0A	3.0Ohm	18.0W	2.0kV	1.87	1.64	1.30	1.01
726-ICE2A180Z	ICE2A180Z	DIP-7	800.0V	1.0A	3.0Ohm	17.0W	2.0kV	2.05	1.84	1.47	1.15
726-ICE2A265	ICE2A265	DIP-8	650.0V	2.0A	0.9Ohm	32.0W	2.0kV	1.93	1.74	1.40	1.09
726-ICE2A280Z	ICE2A280Z	DIP-7	800.0V	2.0A	0.8Ohm	31.0W	2.0kV	3.73	3.34	3.08	2.65
726-ICE2A365	ICE2A365	DIP-8	650.0V	3.0A	0.45Ohm	45.0W	2.0kV	1.29	1.24	1.23	1.22
726-ICE2A765P	ICE2A765P	TO220-6	650.0V	7.0A	0.45Ohm	130.0W	2.0kV	4.38	3.90	3.20	2.18
726-ICE2B265	ICE2B265	DIP-8	650.0V	2.0A	0.9Ohm	32.0W	2.0kV	.88	.864	.856	.827
CoolSET® F3											
726-ICE3A1065LJ	ICE3A1065LJ	DIP-8	650.0V	1.0A	2.95Ohm	16.0W	2.0kV	.85	.833	.829	.827
726-ICE3BR4765J	ICE3BR4765JXX	DIP-8	650	0.5	5.44	18	2.0	1.18	1.05	.831	.645

POWER CONTROL ICs

By offering a wide variety of highly efficient control ICs we enable our customer to meet new demands like PFC regulations and ultra low standby power requirements in a very cost effective way. A comprehensive array of safety features helps to minimize the number of external components, reduces design in time and improves the reliability of the SMPS. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Infineon Part No.	Package Type	V _{CC} (Min.)	V _{CC} (Max.)	I _{CC} (Max.)	I _q (Typ.)	I _Q (Max.)	Price Each			
								1	10	100	500
726-ICE2PCS01	ICE2PCS01	DIP-8	11.0V	25.0V	20.0mA	300.0µA	-1.5 - 2.0A	1.70	1.53	1.37	1.27
726-ICE2PCS01G	ICE2PCS01G	DSO-8	11.0V	25.0V	20.0mA	300.0mA	-1.5 - 2.0A	2.20	1.98	1.78	1.66
726-ICE2PCS02	ICE2PCS02	DIP-8	11.0V	25.0V	13.0mA	300.0µA	-1.5 - 2.0A	2.88	2.48	2.09	1.91
726-ICE2PCS02G	ICE2PCS02G	DSO-8	11.0V	25.0V	13.0mA	300.0µA	-1.5 - 2.0A	1.56	1.41	1.13	.881

POWER SEMICONDUCTORS FOR AUTOMOTIVE

Power Supplies

Voltage and current regulators from Infineon handle input voltages up to 65V and output currents up to 2.5A. A wide range of product solutions with quiescent currents down to 20µA, high accuracy outputs and various package and features options are available to address all automotive application needs. **For quantities greater than listed, call for quote.**

MOUSER STOCK NO.	Infineon Part No.	Package Type	V _Q (Max.)	I _Q (Max.)	I _q (Typ.)	Tolerance	Protect	Price Each			
								1	10	100	500
Voltage Trackers											
726-TLE42502G	TLE4250-2G	SCT595-5	0	50.0mA	140.0µA	0.5%	Y	1.24	1.10	.877	.536
726-TLE4254GS	TLE4254GS	DSO-8	0	70.0mA	50.0µA	10%	Y	1.78	1.58	1.26	.981
Automotive Linear Voltage Regulator											
726-TLE42712G	TLE4271-2G	TO263-7	5.0V	550.0mA	800.0µA	single fixed-V	2%	4.25	3.32	3.24	1.62
726-TLE4473GV55-2	TLE4473G V55-2	DSO-12	5.0V	190.0mA	220.0µA	-	2%	3.19	2.81	2.43	1.92

INTEGRATED HIGH CURRENT MOTOR DRIVERS

Trilith IC - the Trilith IC family members combine two high-side and two low-side switches in one package. They are geared to drive high-current DC motors in an H-bridge configuration but can also be used as single independent switches. **For quantities greater than listed, call for quote.**



MOUSER STOCK NO.	Infineon Part No.	Package Type	Operating Range (V)	R _{DS(on)} Typ. (mΩ)	I _D (I _{lm}) (A)	I _q Typ. (µA)	Diagnosis	Price Each		
								1	10	100
726-BTM7752G	BTM7752G	PG-DSO-36	5.5-28	150	12	5	OV-, OC-, OT-failure flag, current sense	3.37	3.11	2.86
726-BTM7755G	BTM7755G	PG-DSO-36	5.5-28	150	12	5	OV-, OC-, OT-failure flag	3.28	3.04	2.79
726-BTM7742G	BTM7742G	PG-DSO-36	5.5-28	250	12	5	OV, OT, OC-failure flag, current sense	3.37	3.11	2.86
726-BTM7745G	BTM7745G	PG-DSO-36	5.5-28	250	12	5	OV-, OC-, OT-failure flag	3.28	3.04	2.79

