





650V CoolSETTM

Product Highlights

650V Fixed Frequency CoolSET™

- 650V avalanche rugged CoolMOS[™] with startup cell
- Active Burst Mode to reach the lowest Standby Power Requirements <50mW
- Auto Restart protection for overload, overtemperature, overvoltage
- External auto-restart enable function
- Built-in soft start and blanking window
- Extendable blanking Window for high load jumps
- Built-in frequency jitter and soft driving for low EMI
- Green Mould Compound
- Pb-free lead plating
- RoHS compliant

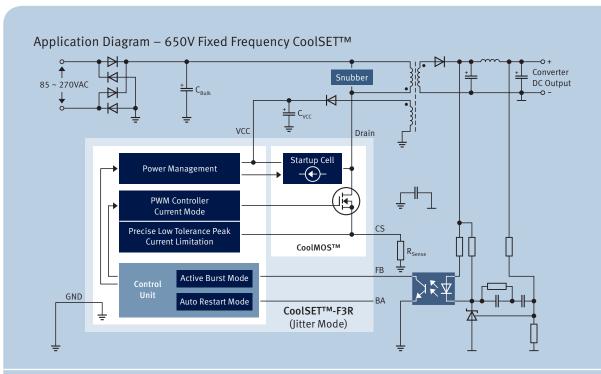
Product	Frequency _(SW)	V _{DS(breakdown)}	R _{DS(on)}	Power _(Universal)	Package
	[kHz]	[V]	[Ω]	[W]	
ICE3BR4765J	65	650	4.7	18	DIP-8
ICE3BR1765J	65	650	1.7	31	DIP-8
ICE3BR0665J	65	650	0.6	49	DIP-8
ICE3BR4765JZ	65	650	4.7	18	DIP-7
ICE3BR1765JZ	65	650	1.7	30	DIP-7
ICE3BR0665JZ	65	650	0.6	47	DIP-7
ICE3BR4765JG	65	650	4.7	17	DSO-12
ICE3A1065ELJ	100	650	3.0	16	DIP-8
ICE3A2065ELJ	100	650	1.0	28	DIP-8
ICE2QR4765	-	650	4.7	19	DIP-8
ICE2QR1765	-	650	1.7	33	DIP-8
ICE2QR0665	-	650	0.6	50	DIP-8

Product Highlights

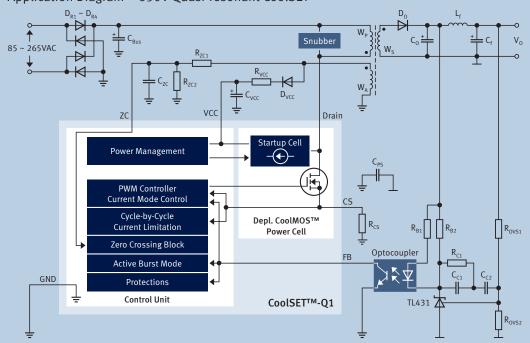
650V Quasi-resonant CoolSET™

- 650V avalanche rugged CoolMOSTM with built-in startup cell
- Quasiresonant operation till very low load
- Active burst mode operation for low standby input power <0.1W
- Digital frequency reduction with decreasing load for reduced switching loss
- Built-in digital soft-start
- Foldback point correction and cycleby-cycle peak current limitation
- Maximum on time limitation
- Auto restart mode for VCC
 Overvoltage and Undervoltage protections
- Auto restart mode for overload protection
- Auto restart mode for overtemperature protection
- Latch-off mode for adjustable output overvoltage protection and transformer short-winding protection

650V CoolSETTM



Application Diagram - 650V Quasi-resonant CoolSET™



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<u>EVAL3BR1065JTOBO1</u> <u>EVAL2QR1765G18WTOBO1</u> <u>EVAL3RBR4765JZTOBO1</u> <u>EVAL3RBR0665JZTOBO1</u> EVAL2QR0665G28W16VTOBO1