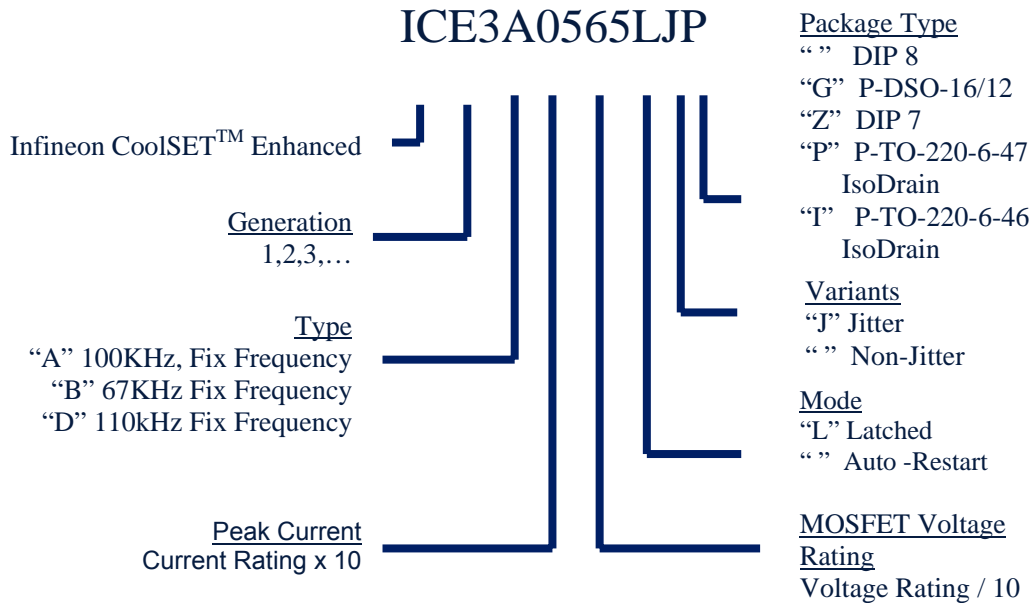




CoolSET™ Selection Guide

CoolSET F3 Nomenclature








CoolSET™ F3

Third generation offline SMPS current mode controller with integrated CoolMOS™ power transistor.

Function description and features of CoolSET™ F3

- 650V avalanche rugged CoolMOS™ with built in switchable Startup Cell
- Active Burst Mode for lowest Standby Power @ light load
- Fast load jump response in Active Burst Mode
- 67/100 kHz fixed switching frequency
- Auto Restart Mode for Overtemperature Detection, Overvoltage Detection, Overload and Open Loop, and VCC Undervoltage
- Blanking Window for short duration high current
- User defined Soft Start
- Minimum of external components required
- Max Duty Cycle 72%
- Overall tolerance of Current Limiting < $\pm 5\%$
- Internal Leading Edge Blanking
- Soft switching for low EMI
- Isolated drain package for TO220/I2PAK
- Increased creepage distance for TO220/I2PAK
- Wide power class selection of products for various applications

V_{DS} [V]	f_{oper} [kHz]	Type	R_{ds_on} [Ω]	$P_{out(max)}$ [W] Narrow Range	$P_{out(max)}$ [W] Wide Range	Package	Application	
650	100	ICE3A0365	6.45	22	10	 P-DIP-8-6	Adapter/Charger, Aux. Supply	
		ICE3A0565	4.70	25	12		DVD, STB, VCR, Adapter/Charger, Aux. Supply	
		ICE3A1065	2.95	32	16			
		ICE3A1565	1.70	42	20			
		ICE3A2065	0.92	57	28			
		ICE3A2565	0.65	68	33			
	67	ICE3B0365	6.45	22	10			
		ICE3B0565	4.70	25	12			
		ICE3B1065	2.95	32	16			
		ICE3B1565	1.70	42	20			
		ICE3B2065	0.92	57	28			
		ICE3B2565	0.65	68	33			
650	100	ICE3A2065P	3.00	125	60	 P-TO-220-6-47	Adaptors for LCD TV, LCD Monitor, Notebooks	
		ICE3A3065P	2.10	150	72			
		ICE3A3565P	1.55	170	83			
		ICE3A5065P	0.95	220	105			
		ICE3A5565P	0.79	240	120			
		ICE3A2065I	3.00	125	60			 P-TO-220-6-46
		ICE3A3065I	2.10	150	72			
		ICE3A3565I	1.55	170	83			
		ICE3A5065I	0.95	220	105			
		ICE3A5565I	0.79	240	120			
	67	ICE3B2065P	3.00	125	60	 P-TO-220-6-47		
		ICE3B3065P	2.10	150	72			
		ICE3B3565P	1.55	170	83			
		ICE3B5065P	0.95	220	105			
		ICE3B5565P	0.79	240	120			
		ICE3B2065I	3.00	125	60			 P-TO-220-6-46
		ICE3B3065I	2.10	150	72			
		ICE3B3565I	1.55	170	83			
		ICE3B5065I	0.95	220	105			
		ICE3B5565I	0.79	240	120			