

PRODUCT CHANGE NOTICE

1. TITLE M3G280515T, Performance Update		2. DOCUMENT NUMBER FV5-C-14-0009	
		3. DATE May 8 th , 2014	
4. MANUFACTURER AND ADDRESS International Rectifier 2520 Junction Ave San Jose, California USA 95134		5. MANUFACTURER PART NUMBER M3G280515T	
		6. BASE PART	
		7. NATIONAL STOCK NUMBER (NSN)	
8. CAGE 52467	9. EFFECTIVE DATE Immediate	10. GOVERNMENT NUMBER	
11. POINT OF CONTACT Granville C. Rains Manager, Quality & Product Assurance PH: (408) 434-5086 FAX: (408) 434-5220		12. DRAWING NUMBER 5962-03227	
		13. SPECIFICATION NUMBER MIL-PRF-38534	

14. PRODUCT CHANGE

International Rectifier is announcing changes to the Product Data sheet and SMD for the subject device to reflect performance changes noted as a result of planned testing to support Single Event Effect performance and the eventual posting of a Qualified Rad Hard SMD offering. Changes were made in internal components which were subsequently validated via the performance of full MIL-PRF-38534 QML Group C qualification tests. These performance changes are available as Generic Group C data for this model.

Table: M3G280515T, Performance Updates

Test	Symbol	Conditions 1/ -55°C ≤ T _C ≤ +85°C V _{IN} = 28 V dc ±5%, C _L = 0 unless otherwise specified	Group A subgroups	Device type	Limits		Unit
					Min	Max	
Output voltage 2/	V _{OUT}	I _{OUT} = 4 A (main)	1	01	4.98	5.02	V
			2,3		4.93	5.07	
		I _{OUT} = ±667 mA (± aux.) each output	1		±14.50	±15.10	
			2,3		±14.60	±15.20	
Line regulation 2/	V _{RLINE}	V _{IN} = 18, 28, and 50 V dc, I _{OUT} = 10%, 50%, and 100% (main)	1,2,3	01	-10	10	mV
		V _{IN} = 18, 28, and 50 V dc, I _{OUT} = 10%, 50%, and 100% (± aux.)			-150	-150	
Load regulation 2/ 3/	V _{RLOAD}	V _{IN} = 18, 28, and 50 V dc, I _{OUT} = 10%, 50%, and 100% (main)	1,2,3	01	-50	50	mV
		V _{IN} = 18, 28, and 50 V dc, I _{OUT} = 10%, 50%, and 100% (± aux.)			-600	-600	

15. APPROVAL DATE		16. APPROVING GOVERNMENT ACTIVITY	
17. GIDEP REPRESENTATIVE		18. SIGNATURE	19. DATE