

PRODUCT CHANGE NOTICE

1. TITLE International Rectifier Product Change Notification M3G2815S, Performance Update	2. DOCUMENT NUMBER FV5-C-15-0008
	3. DATE February 11, 2015

4. MANUFACTURER AND ADDRESS International Rectifier 2520 Junction Avenue San Jose, Ca. 95134	5. MANUFACTURER PART NUMBER M3G2815S
	6. BASE PART See attached table
	7. NATIONAL STOCK NUMBER (NSN) Not Available

8. CAGE 52467	9. EFFECTIVE DATE February 11, 2015	10. GOVERNMENT NUMBER See attached table
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11. POINT OF CONTACT Granville C. Rains Manager, Quality & Product Assurance Phone: (408) 434-5086 FAX: (408) 434-5220	12. DRAWING NUMBER 5962-03222
	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. 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.

5962-03222 Table1: M3G2815S, 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	V _{OUT}	I _{OUT} = 2.67 A	1	01	14.94	15.06	V
			2,3		14.80	15.20	
Output current ^{2/}	I _{OUT}	V _{IN} = 18, 28, and 50 V dc	1,2,3	01		2.67	A
Output ripple voltage ^{3/}	V _{RIP}	V _{IN} = 18, 28, and 50 V dc, I _{OUT} = 2.67 A	1,2,3	01		80	mV p-p
Line regulation	V _{RLINE}	V _{IN} = 18, 28, and 50 V dc, I _{OUT} = 0, 50%, and 100%	1,2,3	01	-10	10	mV
Load regulation	V _{RLOAD}	V _{IN} = 18, 28, and 50 V dc, I _{OUT} = 0, 50%, and 100%	1,2,3	01	-0.5	0.5	%
Input current	I _{IN}	I _{OUT} = 0, pin 3 open	1,2,3	01		80	mA
		Inhibit (pin 3) shorted to Input return (pin 2)	1,2,3			5	
Efficiency	E _{FF}	I _{OUT} = 2.67 A	1,2,3	01	77		%
			2		01	76	

15. APPROVAL DATE	16. APPROVING GOVERNMENT ACTIVITY
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17. GIDEP REPRESENTATIVE Granville C. Rains	18. SIGNATURE <i>Granville C. Rains</i>	19. DATE February 11, 2015
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