




# PRODUCT CHANGE NOTICE

1. TITLE I INTERNATIONAL RECTIFIER WAFER FAB RELOCATION, RAD-HARD™ JANS POWER MOSFET		2. DOCUMENT NUMBER FV5-C-08-001
		3. DATE 19 NOVEMBER 2007
4. MANUFACTURER AND ADDRESS INTERNATIONAL RECTIFIER (IR) AEROSPACE AND DEFENSE 205 CRAWFORD STREET LEOMINSTER, MASSACHUSETTS 01453		5. MANUFACTURER PART NUMBER SEE TABLE 1
		6. BASE PART SEE TABLE 1
		7. NATIONAL STOCK NUMBER (NSN) NOT AVAILABLE
8. CAGE 69210	9. EFFECTIVE DATE 01 JANUARY 2008	10. GOVERNMENT NUMBER JANS QPL
11. POINT OF CONTACT SOON Ng (978) 534-5776 SEE BELOW FOR ADDITIONAL CONTACTS		12. DRAWING NUMBER SEE TABLE 1
		13. SPECIFICATION NUMBER MIL-PRF-19500 SLASH SHEETS (SEE TABLE 1)
14. PRODUCT CHANGE <p><b>International Rectifier RAD-Hard™ JANS Power MOSFET production in FAB 3 (Kansas Street) and FAB 5 (Grand Avenue) in EL SEGUNDO, CA is relocating to FAB 2 in TEMECULA, CA. The FAB move, along with the associated FAB processes and product qualifications are expected to be complete by the end of December 2007. The start of new production in the Temecula FAB is targeted for January 2008. Reference Table I herein for the listing for MIL-PRF-19500 QPL and IR Generic parts affected. Note that the list is not inclusive of custom part numbers or derivatives thereof.</b></p> <p><b>The back metal on the R5 generation product will change from Ti/Ni(V)/Ag to match the Gen 4 backside metallization of Cr/Ni(V)/Ag.</b></p> <p><b>International Rectifier Fab 2 has been certified to produce JANTX type devices for the past 15 years and was re-certified in 2005 to produce JANS type devices. This Change Notice has been coordinated with DSCC-VQE prior to its release, including facility audits and device re-qualification in accordance with the performance requirements of MIL-PRF-19500 and their associated QPL drawings.</b></p> <p>Additional Points of Contact: <b>Michael Daly 978 514.6153</b> <b>Mary Quezaire 310 726.8960</b> <b>Kelley Price 978 514.6457</b> <b>Max Zafrani 978 514.6187</b></p>		
15. APPROVAL DATE NOT APPLICABLE	16. APPROVING GOVERNMENT ACTIVITY NOT APPLICABLE	
17. REPRESENTATIVE PAUL HEBERT (978) 514-6180	18. SIGNATURE 	19. DATE 19 NOVEMBER 2007

# PRODUCT CHANGE NOTICE

FV5-C-08-001

14. Product Change Continued...

Table 1 – Product Move / Affected

QPL Part Number	Q P L Part Descriptions						IR Generic Part Number
	Die Information				QPL Slash	Device Package	
	Gen.	Size	Voltage	Type			
2N7486U3	R5	3	200V	N-ch	/ 704	SMD-0.5	IRHNJ57230SE
2N7489T3	R5	3	200V	N-ch	/ 705	TO-257AA	IRHY57230CMSE
2N7498T2	R5	3	200V	N-ch	/ 706	TO-39	IRHF57230SE
2N7501U5	R5	3	200V	N-ch	/ 707	LCC-18	IRHE57230SE
2N7473U2	R5	6	200V	N-ch	/ 684	SMD-2	IRHNA57260SE
2N7476T1	R5	6	200V	N-ch	/ 685	TO-254AA	IRHMS57260SE
2N7481U3	R5	3	100V	N-ch	/ 703	SMD-0.5	IRHNJ57130
2N7484T3	R5	3	100V	N-ch	/ 702	TO-257AA	IRHY57130CM
2N7493T2	R5	3	100V	N-ch	/ 701	TO-39	IRHF57130
2N7496U5	R5	3	100V	N-ch	/ 700	LCC-18	IRHE57130
2N7469U2	R5	6	100V	N-ch	/ 673	SMD-2	IRHNA57160
2N7471T1	R5	6	100V	N-ch	/ 698	TO-254AA	IRHMS57160
2N7485U3	R5	3	130V	N-ch	/ 704	SMD-0.5	IRHNJ57133SE
2N7488T3	R5	3	130V	N-ch	/ 705	TO-257AA	IRHY57133CMSE
2N7497T2	R5	3	130V	N-ch	/ 706	TO-39	IRHF57133SE
2N7500U5	R5	3	130V	N-ch	/ 707	LCC-18	IRHE57133SE
2N7472U2	R5	6	130V	N-ch	/ 684	SMD-2	IRHNA57163SE
2N7475T1	R5	6	130V	N-ch	/ 685	TO-254AA	IRHMS57163SE
2N7480U3	R5	3	60V	N-ch	/ 703	SMD-0.5	IRHNJ57034
2N7483T3	R5	3	60V	N-ch	/ 702	TO-257AA	IRHY57034CM
2N7492T2	R5	3	60V	N-ch	/ 701	TO-39	IRHF57034
2N7495U5	R5	3	60V	N-ch	/ 700	LCC-18	IRHE57034
2N7468U2	R5	6	60V	N-ch	/ 673	SMD-2	IRHNA57064
2N7470T1	R5	6	60V	N-ch	/ 698	TO-254AA	IRHMS57064
2N7479U3	R5	3	30V	N-ch	/ 703	SMD-0.5	IRHNJ57Z30
2N7482T3	R5	3	30V	N-ch	/ 702	TO-257AA	IRHY57Z30CM
2N7491T2	R5	3	30V	N-ch	/ 701	TO-39	IRHF57Z30
2N7494U5	R5	3	30V	N-ch	/ 700	LCC-18	IRHE57Z30
2N7467U2	R5	6	30V	N-ch	/ 683	SMD-2	IRHNA57Z60
2N7478T1	R5	6	30V	N-ch	/ 697	TO-254AA	IRHMS57Z60
2N7487U3	R5	3	250V	N-ch	/ 704	SMD-0.5	IRHNJ57234SE
2N7490T3	R5	3	250V	N-ch	/ 705	TO-257AA	IRHY57234CMSE
2N7499T2	R5	3	250V	N-ch	/ 706	TO-39	IRHF57234SE
2N7502U5	R5	3	250V	N-ch	/ 707	LCC-18	IRHE57234SE
2N7474U2	R5	6	250V	N-ch	/ 684	SMD-2	IRHNA57264SE
2N7477T1	R5	6	250V	N-ch	/ 685	TO-254AA	IRHMS57264SE
	R5	1	100V	N-ch		LCC-28	IRHQ567110
	R5	1	100V	N-ch		MO-036AB	IRHG567110
	R5	1	100V	N-ch		LCC-28	IRHQ57110
	R5	1	100V	N-ch		MO-036AB	IRHG57110
2N7545U3	R5	3	100V	P-ch	/ 712	SMD-0.5	IRHNJ597130
2N7547T3	R5	3	100V	P-ch	/ 712	TO-257AA	IRHY597130CM
2N7550U2	R5	6	100V	P-ch	/ 713	SMD-2	IRHNA597160
2N7550T1	R5	6	100V	P-ch	/ 713	TO-254AA	IRHMS597160
2N7546U3	R5	3	200V	P-ch	/ 712	SMD-0.5	IRHNJ597230
2N7548T3	R5	3	200V	P-ch	/ 712	TO-257AA	IRHY597230CM
2N7549U2	R5	6	200V	P-ch	/ 713	SMD-2	IRHNA597260
2N7549T1	R5	6	200V	P-ch	/ 713	TO-254AA	IRHMS597260
2N7519U3	R5	3	30V	P-ch	/ 732	SMD-0.5	IRHNJ597Z30
2N7519T3	R5	3	30V	P-ch	/ 732	TO-257AA	IRHYS597Z30CM
2N7523U2	R5	6	30V	P-ch	/ 733	SMD-2	IRHNA597Z60
2N7523T1	R5	6	30V	P-ch	/ 733	TO-254AA	IRHMS597Z60
2N7520U3	R5	3	60V	P-ch	/ 732	SMD-0.5	IRHNJ597034
2N7520T3	R5	3	60V	P-ch	/ 732	TO-257AA	IRHYS597034CM
2N7524U2	R5	6	60V	P-ch	/ 733	SMD-2	IRHNA597064
2N7524T1	R5	6	60V	P-ch	/ 733	TO-254AA	IRHMS597064
	R5	1	100V	P-ch		LCC-28	IRHQ567110
	R5	1	100V	P-ch		MO-036AB	IRHG567110
	R5	1	100V	P-ch		LCC-28	IRHQ597110
	R5	1	100V	P-ch		MO-036AB	IRHG597110

# PRODUCT CHANGE NOTICE

FV5-C-08-001

14. Product Change Continued...

Table 1 – Product Move / Affected

QPL Part Number	Q P L Part Descriptions						IR Generic Part Number
	Die Information				QPL Slash	Device Package	
	Gen.	Size	Voltage	Type			
2N7389U	G4	3	100V	P-ch	/ 630	LCC-18	IRHE9130
2N7389	G4	3	100V	P-ch	/ 630	TO-39	IRHF9130
2N7382U	G4	3	100V	P-ch	/ 615	SMD-0.5	IRHNJ9130
2N7382	G4	3	100V	P-ch	/ 615	TO-257	IRHY9130CM
2N7390U	G4	3	200V	P-ch	/ 630	LCC-18	IRHE9230
2N7390	G4	3	200V	P-ch	/ 630	TO-39	IRHF9230
2N7383U	G4	3	200V	P-ch	/ 615	SMD-0.5	IRHNJ9230
2N7383	G4	3	200V	P-ch	/ 615	TO-257	IRHY9230CM
2N7261U	G4	3	100V	N-ch	/ 601	LCC-18	IRHE7130
2N7261	G4	3	100V	N-ch	/ 601	TO-39	IRHF7130
2N7380U	G4	3	100V	N-ch	/ 614	SMD-0.5	IRHNJ7130
2N7380	G4	3	100V	N-ch	/ 614	TO-257	IRHY7130CM
2N7262U	G4	3	200V	N-ch	/ 601	LCC-18	IRHE7230
2N7262	G4	3	200V	N-ch	/ 601	TO-39	IRHF7230
2N7381U	G4	3	200V	N-ch	/ 614	SMD-0.5	IRHNJ7230
2N7381	G4	3	200V	N-ch	/ 614	TO-257	IRHY7230CM
2N7268	G4	5	100V	N-ch	/ 603	TO-254	IRHM7150
2N7268U	G4	5	100V	N-ch	/ 603	SMD-1	IRHN7150
2N7269	G4	5	200V	N-ch	/ 603	TO-254	IRHM7250
2N7269U	G4	5	200V	N-ch	/ 603	SMD-1	IRHN7250
2N7425U	G4	6	100V	P-ch	/ 655	SMD-2	IRHNA9160
2N7425	G4	6	100V	P-ch	/ 660	TO-254	IRHM9160
2N7426U	G4	6	200V	P-ch	/ 655	SMD-2	IRHNA9260
2N7426	G4	6	200V	P-ch	/ 660	TO-254	IRHM9260
2N7391	G4	6	400V	N-ch	/ 661	TO-254	IRHM7360SE
2N7463U5	G4	3	400V	N-ch	/ 675	LCC-18	IRHE7330SE
2N7463T2	G4	3	400V	N-ch	/ 675	TO-39	IRHF7330SE
2N7465U3	G4	3	400V	N-ch	/ 676	SMD-0.5	IRHNJ7330SE
2N7465T3	G4	3	400V	N-ch	/ 676	TO-257	IRHY7330CMSE
2N7422U	G4	5	100V	P-ch	/ 662	SMD-1	IRHN9150
2N7422	G4	5	100V	P-ch	/ 662	TO-254	IRHM9150
2N7423U	G4	5	200V	P-ch	/ 662	SMD-1	IRHN9250
2N7423	G4	5	200V	P-ch	/ 662	TO-254	IRHM9250
2N7424U	G4	6	60V	P-ch	/ 655	SMD-2	IRHNA9064
2N7424	G4	6	60V	P-ch	/ 660	TO-254	IRHM9064
2N7394	G4	5	60V	N-ch	/ 603	TO-254	IRHM7054
2N7394U	G4	5	60V	N-ch	/ 603	SMD-1	IRHN7054
2N7464U5	G4	3	500V	N-ch	/ 675	LCC-18	IRHE7430SE
2N7464T2	G4	3	500V	N-ch	/ 675	TO-39	IRHF7430SE
2N7466U3	G4	3	500V	N-ch	/ 676	SMD-0.5	IRHNJ7430SE
2N7466T3	G4	3	500V	N-ch	/ 676	TO-257	IRHY7430CMSE
2N7270	G4	5	500V	N-ch	/ 603	TO-254	IRHM7450
2N7270U	G4	5	500V	N-ch	/ 603	SMD-1	IRHN7450
2N7431	G4	6	60V	N-ch	/ 663	TO-254	IRHM7064
2N7431U	G4	6	60V	N-ch	/ 664	SMD-2	IRHNA7064
2N7432	G4	6	100V	N-ch	/ 663	TO-254	IRHM7160
2N7432U	G4	6	100V	N-ch	/ 664	SMD-2	IRHNA7160
2N7433	G4	6	200V	N-ch	/ 663	TO-254	IRHM7260
2N7433U	G4	6	200V	N-ch	/ 664	SMD-2	IRHNA7260
2N7444	G4	6	200V	N-ch	/ 661	TO-254	IRHM7260SE
2N7434	G4	6	250V	N-ch	/ 661	TO-254	IRHM7264SE
2N7392	G4	6	500V	N-ch	/ 661	TO-254	IRHM7460SE

# PRODUCT CHANGE NOTICE

14. Product Change Continued...

Table 1 – Product Move / Affected

QPL Part Number	Q P L Part Descriptions					IR Generic Part Number	
	Die Information				QPL Slash		Device Package
	Gen.	Size	Voltage	Type			
R6	3	100V	N-ch			TO-257	IRHYS67130CM
R6	3	100V	N-ch			SMD-0.5	IRHNJ67130
R6	6	100V	N-ch			TO-254	IRHMS67160
R6	6	100V	N-ch			SMD-2	IRHNA67160
R6	3	150V	N-ch			SMD-0.5	IRHNJ67134
R6	3	150V	N-ch			TO-257	IRHYS67134CM
R6	6	150V	N-ch			SMD-2	IRHNA67164
R6	6	150V	N-ch			TO-254	IRHMS67164
R6	6	200V	N-ch			SMD-2	IRHNA67260
R6	6	200V	N-ch			TO-254	IRHMS67260
R6	3	200V	N-ch			SMD-0.5	IRHNJ67230
R6	3	200V	N-ch			TO-257	IRHYS67230CM
R6	6	250V	N-ch			TO-254	IRHMS67264
R6	6	250V	N-ch			SMD-2	IRHNA67264
R6	3	250V	N-ch			TO-257	IRHYS67234CM
R6	3	250V	N-ch			SMD-0.5	IRHNJ67234
R6	3	600V	N-ch			TO-257	IRHY67C30CM
R6	3	600V	N-ch			SMD-0.5	IRHNJ67C30
R6	3	600V	N-ch			TO-39	IRHF67C30
R7	6	60V	N-ch			SMD-2	IRHLNA77064
R7	3	60V	N-ch			SMD-0.5	IRHLNJ77034
R7	6	60V	N-ch			TO-254AA	IRHLMS77064
R7	3	60V	N-ch			TO-257AA	IRHLYS77034
R7	Z	60V	N-ch			UB	IRHLUB770Z4
R7	Z	60V	N-ch			UC	IRHLUC770Z4
R7	Z	60V	N-ch			MO-36AB	IRHLG770Z4
R7	Z	60V	N-ch			LCC-28	IRHLQ770Z4
R7	Z	60V	N-ch			FlatPack	IRHLA770Z4
R7	Z	60V	N-ch			TO-39	IRHLF770Z4
R7	1	100V	N-ch			TO-39	IRHLF77110
R7	1	100V	N-ch			SMD-0.2	IRHLNM77110
R7	1	100V	N-ch			MO-36AB	IRHLG77110
R7	1	100V	N-ch			LCC-28	IRHLQ77110
R7	1	250V	N-ch			TO-39	IRHLF77214
R7	1	250V	N-ch			SMD-0.2	IRHLNM77214
R7	1	250V	N-ch			MO-36AB	IRHLG77214
R7	1	250V	N-ch			LCC-28 Quad	IRHLQ77214
R7	3	60V	P-ch			SMD-0.5	IRHLNJ797034
R7	6	60V	P-ch			SMD-2	IRHLNA797064
R7	6	60V	P-ch			TO-254	IRHLMS797064
R7	3	60V	P-ch			TO-257AA	IRHLYS797034
R7	Z	60V	P-ch			UB	IRHLUB7970Z4
R7	Z	60V	P-ch			UC	IRHLUC7970Z4
R7	Z	60V	P-ch			MO-36AB	IRHLG7970Z4
R7	Z	60V	P-ch			LCC-28	IRHLQ7970Z4
R7	Z	60V	P-ch			FlatPack	IRHLA7970Z4
R7	Z	60V	P-ch			TO-39	IRHLF7970Z4
R7	Z	60V	N-ch			UC	IRHLUC7670Z4
R7	Z	60V	P-ch				
R7	Z	60V	N-ch			FlatPack (2N & 2P)	IRHLA7670Z4
R7	Z	60V	P-ch				
R7	Z	60V	N-ch			LCC-28 (2N & 2P)	IRHLQ7670Z4
R7	Z	60V	P-ch				
R7	Z	60V	N-ch			MO-36AB (2N & 2P)	IRHLG7670Z4
R7	Z	60V	P-ch				