

Process Change Notification

Date: August 28, 2013
PCN Reference: M-10-0015B
PCR Reference: M-10-0015
Product Reference: DPAK 3LDS HEXFET PRODUCTS

To Our Valued Customer:

As always we appreciate your use of International Rectifier semiconductor products. Our commitment to customer satisfaction and continuous improvement is demonstrated by our change plans to enhance capacity, quality and reliability. This notice is to inform you of the following change:

Type of Change Notification:

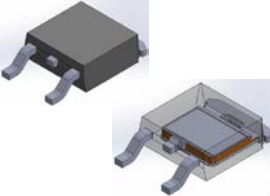
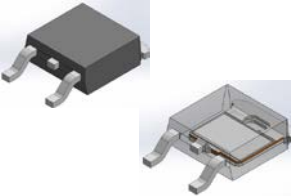
Alternate Bill of Materials (BOM) for the assembly of DPAK HEXFET products.

Description of Change:

International Rectifier has qualified an alternative leadframe and die attach material.

From : DPAK Matrix Dual Gauge Selective Ni except Die Pad Area & Various die attach solder

To : DPAK Matrix Single Gauge Bare Copper & 95.5Pb2.5Ag2Sn-C3

	CURRENT BOM: Dpak SR DG + Current Solder	OPTION 2: DpakM SG Sel Ni t-post + 95.5C3 Solder
Visual Description		
Leadframe	0.035" on heatsink thickness 0.020" on leads thickness Sel Nickel plated except diepad 30 units per LF	0.020" on heatsink thickness 0.020" on leads thickness Bare Copper 4 rows, 112 unit per LF
Solder	97Pb/3Ag 90Pb/5Ag/5In	95.5Pb/2.5Ag/2Sn-C3

Note: For the bare copper option post plating cure or annealing after plating is applied (i.e. 150°C for 1 hr)



Reason for the Change:

Reduce copper material scrappage and material consolidation purposes

Effect Date:

November 28, 2013

International Rectifier will consider this change approved and will implement it by the effective date unless specific conditions of acceptance or data requests are provided in writing within 30 days of receipt of this notice. Please submit conditions of acceptance and data requests to the PCN coordinator listed at the end of this notice.

Impact of Change:

No impact. There will be no change to the products' datasheet. The new BOM will meet the same quality level as the current products.

Products Affected:

IRFR4510PBF IRFR4510TRPBF IRFR5305TRPBF IRFR5305PBF

Qualification:

Parts passed all the reliability testing requirements. Reliability qualification report is available upon request. Qualification standards can be found on International Rectifier's web site at www.irf.com/product-info/reliability.

Data Availability:

Please contact the PCN Coordinator for supporting data.

Contact Information:

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