

PRODUCT / PROCESS CHANGE NOTIFICATION

To Be Completed By Change Initiator

DATE: March 24, 2015

NOTIFICATION REF: NA

APPROVAL **NOTIFICATION**

PRODUCT / PROCESS REFERENCE: Low-ohmic TO-254 package standardization

TYPE OF CHANGE: **MAJOR** **MINOR** **EDITORIAL**

PROCESS **PRODUCT**

DETAILED DESCRIPTION OF CHANGE:

IR's standard TO-254 package used in Gen4 RADHard MOSFET parts is being changed to new low-ohmic TO-254 package type. The low-ohmic TO-254 packages have the same case outline, however the package uses a different lead material with unique copper alloy with high electrical conductivity; the lead material changes from 52 alloy copper core 3:1, to copper / zirconium (CuZr).

See list attached for part numbers affected.



DETAILED REASON FOR CHANGE:

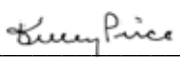
As a product improvement activity and package standardization, IR is changing from the standard TO-254 package to a low-ohmic package which will enhance product performance, specifically reducing package resistance by an average 13 milliohm.

As of the effectivity date below, all Gen4 products in TO-254 packages will be manufactured with one standard low-ohmic package purchased from IR's certified package supplier.

EFFECTIVITY DATE: April 1, 2015


IMPACT OF CHANGE: No change to device specification

Change Initiator:



 Kelley Price
 JAN Military Program Manager

Approved By:



 Paul Hebert
 Director of Quality Assurance

QPL Part Numbers;

JANS2N7426	JANS2N7433
JANS2N7391	JANS2N7268
JANS2N7422	JANS2N7269
JANS2N7423	JANS2N7270
JANS2N7431	JANS2N7394
JANS2N7432	JANS2N7424
JANS2N7236	JANS2N7237

Radiation levels not included in device part number

QIRL Part Numbers;

HFA35HB60	IRHM7460SE
IRF5M3710	IRHM57264SE
IRF5M3205	IRHM57Z60
IRHM497260	IRFM340
IRHM7260SE	IRG4MC40U
IRHM9150	IRF5M5210
IRHM7260	IRFMG50
HFB35HB20	IRFMG50S
IRHM3250	IRF5M4905
IRHM7450	IRHM57260SE
HFA35HB120	IRF5M3415
IRFM360	IRHM7250SE
IRFM260	IRHM93130
IRHM57064	IRHM57160
IRFM064	

Radiation levels not included in device part number