

October 28, 2005

[Recipient Name]

[Title]

[Company Name]

[Street Address]

[City, ST ZIP Code]

Dear [Recipient Name]:

The HiRel Group at International Rectifier is changing the nomenclature used to identify the power electronic modules currently manufactured at its Leominster, Massachusetts facility. The new system will consist of a more descriptive part number which will provide the user, information about the ratings of the part and the circuit topography. This intuitive approach to part numbering will help the user choose the correct part for each application.

In the past, OMR96XXXXX part number has been used to describe IR's Radiation Hardened Ultra Low Dropout Regulator product line. Henceforth, the part numbering system will consist of a series of letters and numbers describing significant ratings of the device. This is merely a change to the description of the device. No changes have been made to the material or manufacturing processes used in the assembly of the device. The new part numbers are a direct replacement for the original part numbers. Description of new part numbering system and a cross reference list has been provided on the second page.

There shall be a 90 day grace period to accommodate the change, any orders received after January 28<sup>th</sup> shall need to use the new part number. Incoming orders with current part number shall be processed once before you are required to use the new part number for subsequent orders.

For questions concerning this change, please contact your local IR sales representative. As always, we are pleased to serve you and thank you for making IR the number one choice in high reliability power management.

Sincerely,

Michael Toland  
Marketing/Applications Engineering

## HiRel Linear Regulator Module Nomenclature

IR UH 33 P 18 3 A 02 P A

### Linear Regulator Module

**R** – Standard Regulator  
**L** – Low Dropout Regulator  
**U** – Ultra Low Dropout Regulator

### Radiation Hardening

Blank = No RAD tolerance  
**H** = RAD hardened or tolerant

### Input Voltage

33 = 3.3V  
50 = 5.0

### Polarity

**P** = Positive  
**N** = Negative

### Output Voltage

18 = 1.8V  
25 = 2.5V  
33 = 3.3V  
A1 = Adjustable 1.26V to 3.2V  
A2 = Adjustable 2.5V to 4.6V

### Max Output Current

3 = 3 Amps  
5 = 5 Amps

### Lead Form Options

**A** = Lead Form Down  
**B** = Lead Form Up  
**C** = Lead Trimmed

### Screening Level

**P** = Unscreened, 25°C  
Electrical test (not for qualification)  
**H** = Class H per MIL-PRF-38534  
**K** = Class K per MIL-PRF-38534

### RAD Level

Blank = No RAD Tolerance  
02 = 20 KRADS  
03 = 30 KRADS  
05 = 50 KRADS  
10 = 100 KRADS  
20 = 200 KRADS  
30 = 300 KRADS  
1M = 1000 KRADS

### Package Type

**A** = 8 Lead Flat Pack  
**B** = MO-078  
**C** = SMD-0.5  
**D** = TO-257  
**E** = TO-258  
**F** = TO-39

Old Part Number	New Part Number	Old Part Number	New Part Number	Old Part Number	New Part Number
OMR9600SCP	IRUH33P183B1MP	OMR9604SFK	IRUH33PA13A1MK	OMR9608SFP	IRUH50P333A1MP
OMR9600SCK	IRUH33P183B1MK	OMR9605SCP	IRUH50PA23B1MP	OMR9608SFK	IRUH50P333A1MK
OMR9600SFP	IRUH33P183A1MP	OMR9605SCK	IRUH50PA23B1MK	OMR9804SCP	IRUH33PA13B20P
OMR9600SFK	IRUH33P183A1MK	OMR9605SFP	IRUH50PA23A1MP	OMR9804SCK	IRUH33PA13B20K
OMR9601SCP	IRUH33P253B1MP	OMR9605SFK	IRUH50PA23A1MK	OMR9804SFP	IRUH33PA13A20P
OMR9601SCK	IRUH33P253B1MK	OMR9607SCP	IRUH50P253B1MP	OMR9804SFK	IRUH33PA13A20K
OMR9601SFP	IRUH33P253A1MP	OMR9607SCK	IRUH50P253B1MK	OMR9805SCP	IRUH50PA23B20P
OMR9601SFK	IRUH33P253A1MK	OMR9607SFP	IRUH50P253A1MP	OMR9805SCK	IRUH50PA23B20K
OMR9604SCP	IRUH33PA13B1MP	OMR9607SFK	IRUH50P253A1MK	OMR9805SFP	IRUH50PA23A20P
OMR9604SCK	IRUH33PA13B1MK	OMR9608SCP	IRUH50P333B1MP	OMR9805SFK	IRUH50PA23A20K
OMR9604SFP	IRUH33PA13A1MP	OMR9608SCK	IRUH50P333B1MK		