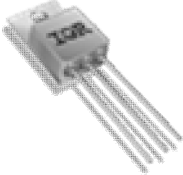



# PRODUCT CHANGE NOTICE

1. TITLE <b>Schottky Fab Change, 16SCYQ060C</b>		2. DOCUMENT NUMBER <b>FV5-C-22-0015</b>
		3. DATE <b>June 15, 2022</b>
4. MANUFACTURER AND ADDRESS <b>International Rectifier HiRel Products, Inc 205 Crawford Street Leominster, MA 01453</b>		5. MANUFACTURER PART NUMBER <b>See IR Part Number List Herein</b>
		6. BASE PART <b>NA</b>
		7. NATIONAL STOCK NUMBER (NSN) <b>NA</b>
8. CAGE <b>69210</b>	9. EFFECTIVE DATE <b>June 15, 2022</b>	10. GOVERNMENT NUMBER <b>NA</b>
11. POINT OF CONTACT <b>Manufacturer's Representative or Account Specialist (978) 534-5776</b>		12. DRAWING NUMBER <b>NA</b>
		13. SPECIFICATION NUMBER <b>MIL-PRF-19500/771</b>
14. PRODUCT CHANGE <p>This GIDEP PCN is to announce the change and qualification of a new wafer fabrication source for the Schottky diode part listed below. IR HiRel has successfully re-qualified the product in accordance with MIL-PRF-19500 (JANS) to ensure product interchangeability.</p> <p><b>16SCYQ060C</b> (1N7059CCT3) 16A 60V Hi-Rel Schottky Common Cathode Diode in a TO-257AA package</p>  <p><b>Schottky Die Source (Fab)</b> Fab source change from Vishay Intertechnology, Inc. (Italy) to Panjit Semiconductor (Taiwan)</p> <p><b>Part Identification</b> Add date code prefix "P" marking to identify parts built with Schottky die originating from Panjit Semiconductor Fab</p> <p><b>Features</b> ESDS Rating in accordance with MIL-STD-750, Method 1020 Change from Class Non-Sensitive [No Designator Marking / Above 15,999 Volts] to Class 3B [Marking <math>\Delta\Delta\Delta B</math> / 8,000 to 15,999 Volts]</p> <p><b>Electrical Specifications</b> <math>V_{FM}</math> Max. [Forward Voltage Drop] @ 8A with <math>T_J = 25^\circ C</math>, change test limit from 0.58 V to 0.59 V <math>V_{FM}</math> Max. [Forward Voltage Drop] @ 16A with <math>T_J = 25^\circ C</math>, change test limit from 0.77 V to 0.81 V <math>V_{FM}</math> Max. [Forward Voltage Drop] @ 8A with <math>T_J = 125^\circ C</math>, change test limit from 0.55 V to 0.57 V</p> <p><b>Thermal-Mechanical Specifications</b> Die Size (Typical), change dimensions from 105X125 mils to 112X112 mils</p> <p>Reference Datasheet PD-93979 for additional part identifier information.</p>		
		16. APPROVING GOVERNMENT ACTIVITY
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE June 15, 2022