



PRODUCT CHANGE NOTICE

1. TITLE Schottky Fab Change, 30CLJQ100		2. DOCUMENT NUMBER FV5-C-21-0009
		3. DATE June 3, 2021
4. MANUFACTURER AND ADDRESS International Rectifier HiRel Products, Inc 205 Crawford Street Leominster, MA 01453		5. MANUFACTURER PART NUMBER See IR Part Number List Herein
		6. BASE PART NA
		7. NATIONAL STOCK NUMBER (NSN) NA
8. CAGE 69210	9. EFFECTIVE DATE June 3, 2021	10. GOVERNMENT NUMBER NA
11. POINT OF CONTACT Manufacturer's Representative or Account Specialist (978) 534-5776		12. DRAWING NUMBER NA
		13. SPECIFICATION NUMBER MIL-PRF-19500/681
14. PRODUCT CHANGE This GIDEP PCN is to announce the change and qualification of a new wafer fabrication source for the Schottky diode parts listed below. IR HiRel has coordinated the MIL-PRF-19500 re-qualification with the Defense Logistics Agency (DLA) to ensure product interchangeability. 30CLJQ100 [1N6843CCU3] 30A, 100V Schottky, Center Tap Schottky Diode in a SMD0.5 package  Schottky Source (Fab) -Change FAB source from Vishay Intertechnology, Inc. (Italy) to Panjit Semiconductor (Taiwan) Note: Products built with die from Panjit Semiconductor will be marked with the date code prefix "P" in order to identify the wafer fab origin. Description/Features -ESD Rating Class, change from NS to 3B Electrical Specifications -V _{FM} [Max. Forward Voltage Drop @ T _j =-55C], change limit @5A from 0.86V to 0.95V -V _{FM} [Max. Forward Voltage Drop @ T _j =125C], change limit @5A from 0.60V to 0.65V Thermal-Mechanical Specifications -Die Size (Typical), change from 70 x 92 mils to 84 x 84 mils Reference Datasheet PD-94085 for additional part identifier information.		
		16. APPROVING GOVERNMENT ACTIVITY
17. GIDEP REPRESENTATIVE Paul Hebert	18. SIGNATURE 	19. DATE June 3, 2021