



PRODUCT CHANGE NOTICE

1. TITLE 120LQ100, Schottky, Vf Specification		2. DOCUMENT NUMBER FV5-C-10-0004		
		3. DATE 19 July 2010		
4. MANUFACTURER AND ADDRESS International Rectifier 205 Crawford St. Leominster, MA 01453		5. MANUFACTURER PART NUMBER See Block 14		
		6. BASE PART Not Available		
		7. NATIONAL STOCK NUMBER (NSN) Not Available		
8. CAGE 69210	9. EFFECTIVE DATE 21 June 2010	10. GOVERNMENT NUMBER Not Available		
11. POINT OF CONTACT Manufacturer's Representative or Customer Service Representative (978) 534-5776		12. DRAWING NUMBER Not Available		
		13. SPECIFICATION NUMBER MIL-PRF-19500		
14. PRODUCT CHANGE This GIDEP PCN is to announce an electrical specification change / update for the following International Rectifier Part No. 120LQ100, 120LQ100D, 120LQ100SCS, 120LQ100SCV, 120LQ100SCX, 95-7183 Description: 120A 100V Hi-Rel Schottky Discrete Diode in a SMD-1 package  Change: Electrical Test at -55C: <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> From: Vf @ 30A max limit 0.64 V Vf @ 60A max limit 0.74 V Vf @ 120A max limit 0.92 V </td> <td style="width: 50%; vertical-align: top;"> To: Vf @ 30A max limit 0.68 V Vf @ 60A max limit 0.78 V Vf @ 120A max limit 0.99 V </td> </tr> </table> Reason for Change: VF @ -55C max limits are too low. Vf @ -55C should be higher than at 25C due to die design. Vf has an inverse relationship with temperature. Previous limits: (Vf@-55C 0.64V@30A, 0.74V@60A, 0.92V@120A) (Vf@+25C 0.62V@30A, 0.75V@60A, 0.94V@120A) (Vf@+125C 0.53V@30A, 0.62V@60A, 0.74V@120A)			From: Vf @ 30A max limit 0.64 V Vf @ 60A max limit 0.74 V Vf @ 120A max limit 0.92 V	To: Vf @ 30A max limit 0.68 V Vf @ 60A max limit 0.78 V Vf @ 120A max limit 0.99 V
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16. APPROVING GOVERNMENT ACTIVITY Not Applicable		Not Applicable		
17. GIDEP REPRESENTATIVE Paul Hebert		18. SIGNATURE 		
		19. DATE 30 June 2010		