



**Cathode to Stud Shown**  
**(Anode to Stud add Suffix R)**

Symbol



MAXIMUM RATINGS (T <sub>j</sub> = 25 °C unless stated otherwise)					
Parameter	Symbol	95PF(R) -40	95PF(R) -80	95PF(R) -120	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	400	800	1200	Volt
Maximum Average On-State Current	I <sub>F(AV)</sub>	95 at T <sub>c</sub> = 140°C			Amp
Peak Forward Surge Current 8.3mS	I <sub>FSM</sub>	1760			Amp
Maximum I <sup>2</sup> T for Fusing 8.3ms	I <sup>2</sup> T	12800			A <sup>2</sup> /S
Maximum Storage Temperature Range	T <sub>(STG)</sub>	-55 to +180			°C
Maximum Junction Temperature Range	T <sub>j</sub>	-55 to +180			°C

ELECTRICAL CHARACTERISTICS at T <sub>j</sub> = 25 °C Maximum. Unless stated Otherwise						
Parameter	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Maximum Forward Voltage	V <sub>FM</sub>	I <sub>FM</sub> =267 Amps T <sub>p</sub> = 400µS rect. wave			1.40	Volt
Repetitive Peak Reverse Current	I <sub>RRM</sub>	V <sub>R</sub> = V <sub>RRM</sub> , t <sub>j</sub> = 150°C			9.0	mA
Thermal Resistance (Junction to Case)	R <sub>TH (J-C)</sub>				0.27	°C/W
Mounting Torque	M <sub>T</sub>				3.4	NM
Weight	Wt				15.8	grms

**Mechanical Outline**

