



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

Symbol



MAXIMUM RATINGS (Tj = 25°C unless stated otherwise)					
Parameter	Symbol	80PF(R) -40	80PF(R) -80	80PF(R) -120	Unit
Repetitive Peak Reverse Voltage	V_{RRM}	400	800	1200	Volt
Maximum Average On-State Current	$I_{F(AV)}$	80 at tj = 140°C			Amp
Peak Forward Surge Current 8.3mS	I_{FSM}	1570			Amp
Maximum I ² T for Fusing 8.3ms	I ² T	10230			A ² /S
Maximum Storage Temperature Range	T _(STG)	-55 to +180			°C
Maximum Junction Temperature Range	Tj	-55 to +180			°C

ELECTRICAL CHARACTERISTICS atTj = 25°C Maximum. Unless stated Otherwise						
Parameter	Symbol	Condition	Value			Unit
			Min	Typ	Max	
Maximum Forward Voltage	V_{FM}	$I_{FM} = 220$ Amps T _p = 400µs rect. wave			1.40	Volt
Repetitive Peak Reverse Current	I_{RRM}	$V_R = V_{RRM}$, tj=150°C Max			9	mA
Thermal Resistance (Junction to Case)	R _{TH (j-c)}				0.30	°C/W
Mounting Torque	M _T				3.4	NM
Weight	Wt				15.8	grms

Mechanical Outline

