



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

Symbol



**Cathode to Stud Symbol**

MAXIMUM RATINGS (T <sub>j</sub> = 25 °C unless stated otherwise)										
Parameter	Symbol	1N1396	1N1397	1N1398	1N1399	1N1400	1N1401	1N1402	1N1403	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	50	100	150	200	300	400	500	600	Volt
Maximum Average On-State Current	I <sub>F(AV)</sub>	100								Amp
Peak Forward Surge Current	I <sub>FSM</sub>	1600								Amp
Maximum I <sup>2</sup> T for Fusing	I <sup>2</sup> T	10700								A <sup>2</sup> /S
Maximum Storage Temperature Range	T <sub>(STG)</sub>	-65 to +200								°C
Maximum Junction Temperature Range	T <sub>j</sub>	-65 to +200								°C

ELECTRICAL CHARACTERISTICS at T <sub>j</sub> = 25 °C Maximum. Unless stated Otherwise			Value			Unit
Parameter	Symbol	Condition	Min	Typ	Max	
Maximum Forward Voltage	V <sub>FM</sub>	I <sub>FM</sub> = 200 Amps		1.2		Volt
Repetitive Peak Off- State Current (1)	I <sub>DRM(1)</sub>	V <sub>R</sub> = V <sub>RRM</sub>		20.0		µA
Repetitive Peak Off- State Current (2)	I <sub>DRM(2)</sub>	V <sub>R</sub> = V <sub>RRM</sub> , T <sub>j</sub> = 150°C			5	mA
Operating Frequency	f <sub>(MAX)</sub>				7.5	KHZ
Thermal Resistance (Junction to Case)	R <sub>TH (J-c)</sub>				0.40	°C/W
Mounting Torque	M <sub>T</sub>				11.3	NM
Weight	Wt				78	grms

