



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	1N2426	1N2427	1N2428	1N2429	1N2430	1N2431	1N2432	1N2433	1N2434	1N2435	Unit
Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	50	100	150	200	250	300	350	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	

