



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

Symbol



MAXIMUM RATINGS (T _J = 25 °C unless stated otherwise)								
Parameter	Symbol	60HFU(R) -100	60HFU(R) -200	60HFU(R) -300	60HFU(R) -400	60HFU(R) -500	60HFU(R) -600	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	100	200	300	400	500	600	Volt
Maximum Average On-State Current	I _{F(AV)}	60.0						Amp
Peak Forward Surge Current 8.3mS	I _{FSM}	730						Amp
Maximum I ² T for Fusing 8.3ms	I ² T	2240						A ² /S
Maximum Storage Temperature Range	T _(STG)	-40 to +125						°C
Maximum Junction Temperature Range	T _J	-40 to +150						°C

ELECTRICAL CHARACTERISTICS at Tj = 25°C Maximum. Unless stated Otherwise						
Parameter		Condition	Value			Unit
	Symbol		Min	Typ	Max	
Maximum Forward Voltage (1)	V _{FM(1)}	I _{FM} =60 Amps			1.50	Volt
Repetitive Peak Off- State Current	I _{DRM}	V _R = V _{RRM}			50	µA
Reverse Recovery Time	t _{RR}			60	80	nS
Thermal Resistance (Junction to Case)	R _{TH (J-C)}				0.36	°C/W
Mounting Torque	M _T				2.5	NM
Weight	Wt				25	grms

Mechanical Outline

