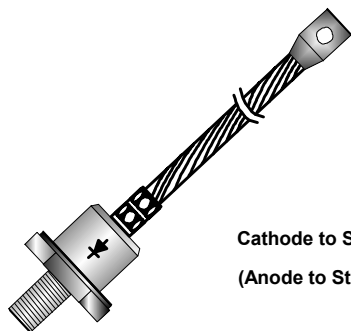




1N3288(R)-1N3297(R)

High Current Rectifier
 $V_{RRM} = 50-1400V$, $I_{F(AV)} = 100 A$, $V_F = 1.2V$



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

Symbol



Cathode to Stud Symbol

MAXIMUM RATINGS (T _j = 25 °C unless stated otherwise)												
Parameter	Symbol	1N3288	1N3289	1N3290	1N3291	1N3292	1N3293	1N3294	1N3295	1N3296	1N3297	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	100	200	300	400	500	600	800	1000	1200	1400	Volt
Maximum Average On-State Current	I _{F(AV)}	100										Amp
Peak Forward Surge Current	I _{FSM}	1600										Amp
Maximum I ² T for Fusing	I ² T	10700										A ² /S
Maximum Storage Temperature Range	T _(STG)	-65 to +200										°C
Maximum Junction Temperature Range	T _j	-65 to +200										°C

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

