

1N3288, 1N3288A SERIES

100 Amp Avg Silicon Rectifier Diodes

VOLTAGE RATINGS

Part Number ①	VRRM – Max. Repetitive Peak Reverse Voltage (V) TC = -40°C to 200°C ②	VRSM – Max. Non-repetitive Peak Reverse Voltage (V) TC = 25°C to 200°C	VR – Max. Direct Reverse Voltage (V) TC = -40°C to 200°C ②	IRRM – Max. Peak Reverse Current Max. Rated IF(AV) and VRRM 1 Phase Operation (mA) TC = 130°C
1N3288 1N3288A	100*	200*	100*	24*
1N3289 1N3289A	200*	300*	200*	24*
1N3290 1N3290A	300*	400*	300*	24*
1N3291 1N3291A	400*	525*	400*	24*
1N3292 1N3292B	500*	650*	500*	21*
1N3293 1N3293A	600*	800*	600*	17*
1N3294 1N3294A	800*	1050*	800*	13*
1N3295 1N3295A	1000*	1300*	1000*	11*
1N3296 1N3296A	1200*	1600*	1200*	9*

① Basic number indicates cathode-to-case. For anode-to-case, add "R" to part number, e.g., 1N3291RA

ELECTRICAL SPECIFICATIONS

	1N3288	1N3288A ③	Units	Conditions
IF(AV) Max. average forward current	100*	100*	A	180° sinusoidal conduction. Max. TC = 130°C*
IFSM Max. peak one-cycle non-repetitive surge current	1550	2200	A	Half cycle 50 Hz sine wave or 6 ms rectangular pulse Following any rated load condition and with rated VRRM applied.
	1600	2300		Half cycle 60 Hz sine wave or 5 ms rectangular pulse
	1800	2600		Half cycle 50 Hz sine wave or 6 ms rectangular pulse Following any rated load condition and with VRRM applied following surge = 0.
	1900	2750		Half cycle 60 Hz sine wave or 5 ms rectangular pulse
I ² t Max. I ² t for fusing	11,500	24,000	A ² s	t = 10 ms With rated VRRM applied following surge, initial TJ = 200°C
	10,500	22,000		t = 8.3 ms
	16,500	34,000		t = 10 ms With VRRM = 0 following surge, initial TJ = 200°C
	15,000	31,000		t = 8.3 ms
I ² √t Max. I ² √t for individual device fusing ④	165,000	340,000	A ² √s	t = 0.1 to 10 ms, VRRM = 0 following surge.
VFM Max. peak forward voltage	1.5*	1.5*	V	IF(AV) = 100A (314A peak), TC = 130°C

