



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

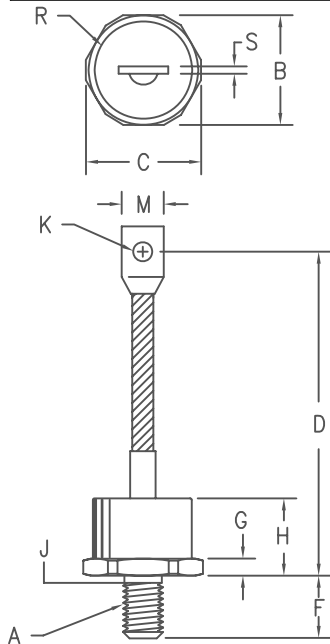
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Silicon Power Rectifier

1N3288-1N3297



Notes:

1. 3/8-24 UNF-3A
2. Full threads within 2 1/2 threads
3. Standard polarity: Stud is Cathode
Reverse polarity: Stud is Anode

Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	---	---	---	---	1,3
B	1.040	1.060	26.67	26.92	
C	---	1.166	---	29.61	
D	4.30	4.65	109.22	118.11	
F	.610	.640	15.49	16.25	
G	.213	.233	5.41	5.66	
H	---	.745	---	18.92	
J	.344	.373	8.74	9.47	2
K	.276	.286	7.01	7.26	
M	.465	.670	11.81	17.02	
R	.625	.850	15.88	21.59	Dia
S	.050	.120	1.27	3.05	

D0205AA (D08)

Microsemi Catalog Number	Additional JEDEC Numbers			Peak Reverse Voltage
1N3288,S	1N411B	1N1396	1N2426	50V
	1N412B	1N1397	1N2427	100V
		1N1398	1N2428	150V
1N3289,S	1N413B	1N1399	1N2429	200V
			1N2430	250V
1N3290,S		1N1400	1N2431	300V
			1N2432	350V
1N3291,S		1N1401	1N2433	400V
1N3292,S,B		1N1402	1N2434	500V
1N3293,S		1N1403	1N2435	600V
1N3294,S				800V
1N3295,S				1000V
1N3296,S				1200V
1N3297,S				1400V

For Reverse Polarity, add R to the part number

- Glass Passivated Die
- 1600 Amps Surge Rating
- Glass to metal seal construction
- VRRM to 1400V

Electrical Characteristics

Average forward current	IF(AV) 100 Amps	TC = 144°C, Half Sine Wave, RθJC = 0.4°C/W 8.3ms, half sine, TJ = 200°C
Maximum surge current	IFSM 1600 Amps	
Max I ² t for fusing	I ² t 10700 A ² s	
Max peak forward voltage	VFM 1.20 Volts	IFM = 200A: TJ = 25°C*
Max peak reverse current	IRM 50 μA	VRRM, TJ = 25°C
Max peak reverse current	IRM 5 mA	VRRM, TJ = 150°C
Max Recommended Operating Frequency	7.5kHz	

*Pulse test: Pulse width 300 μsec. Duty cycle 2%

Thermal and Mechanical Characteristics

Storage temperature range	TSTG	-65°C to 200°C
Operating junction temp range	TJ	-65°C to 200°C
Maximum thermal resistance	RθJC	0.4°C/W Junction to Case
Mounting torque		80-100 inch pounds
Weight		2.75 ounces (78 grams) typical

1N3288-1N3297

Figure 1
Typical Forward Characteristics

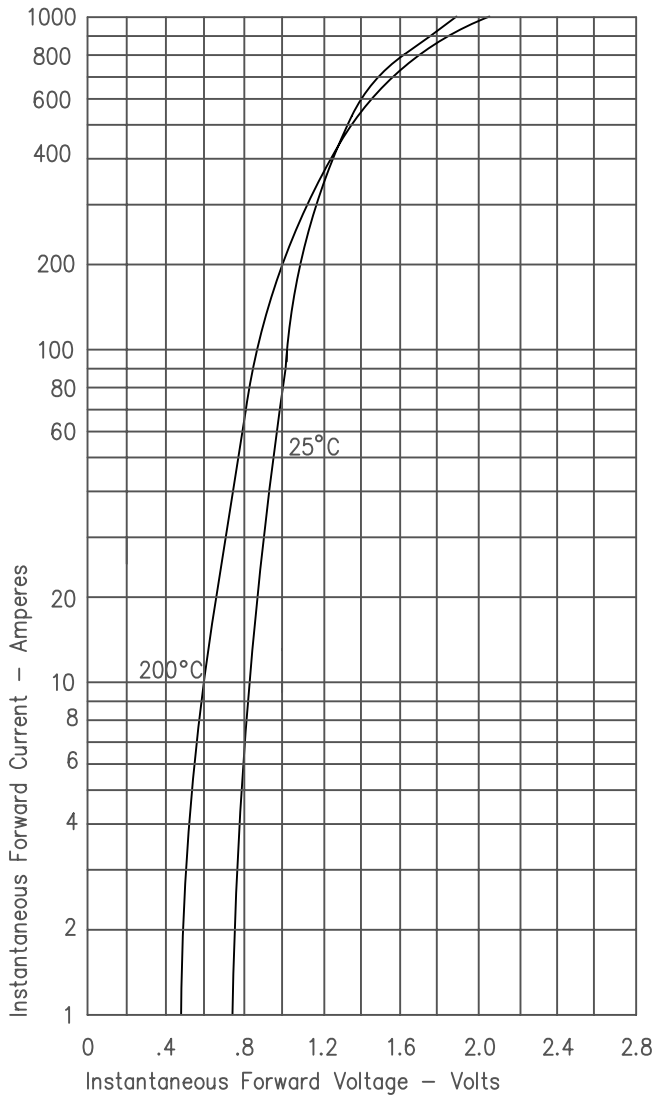


Figure 3
Forward Current Derating

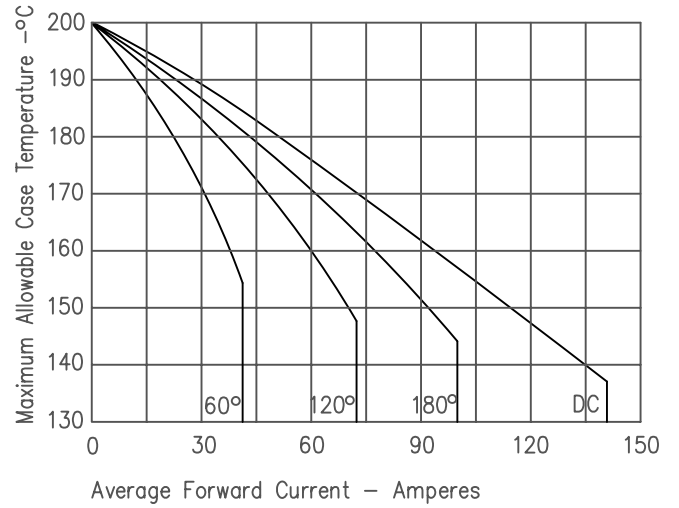


Figure 5
Transient Thermal Impedance

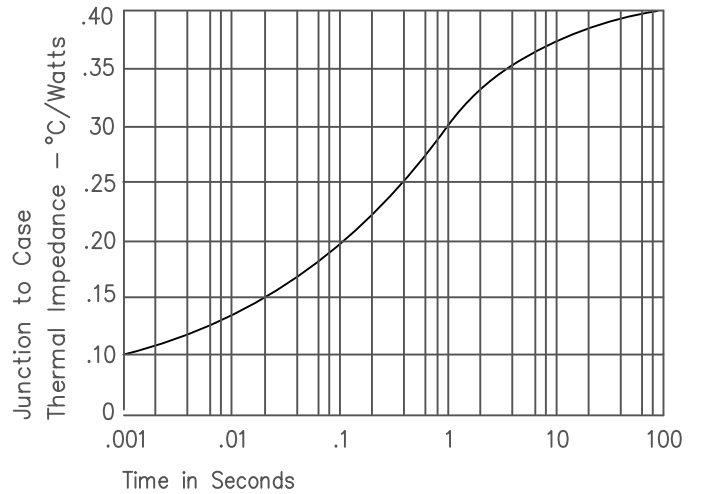


Figure 2
Typical Reverse Characteristics

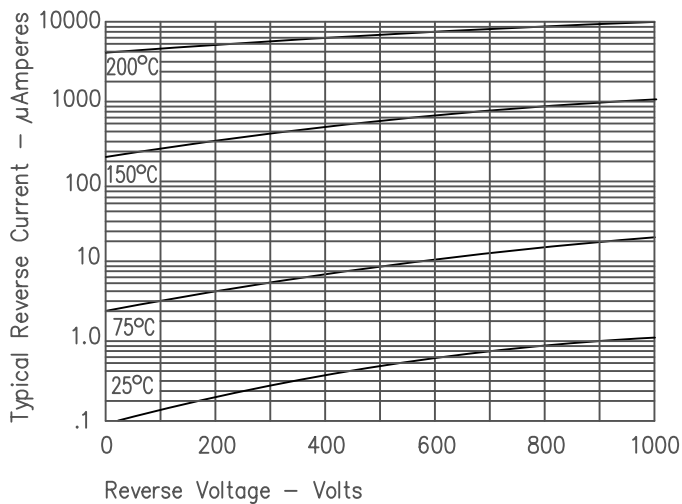


Figure 7
Maximum Nonrepetitive Surge Current

