



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

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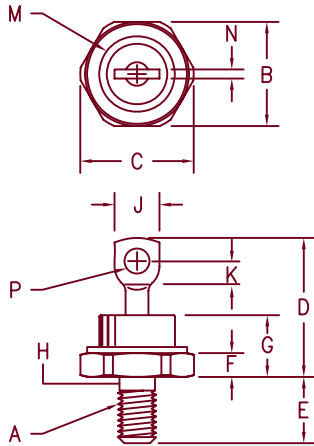
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Silicon Power Rectifier

S/R35



Notes:

- 1/4-28
- Full threads within 2 1/2 threads
- Standard polarity:
Stud is cathode
Reverse polarity:
Stud is anode

Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	---	---	---	---	1
B	.667	.687	16.95	17.44	
C	---	.793	---	20.14	
D	---	1.00	---	25.40	
E	.422	.453	10.72	11.50	
F	.115	.200	2.93	5.08	2
G	---	.450	---	11.43	
H	.220	.249	5.59	6.32	
J	.250	.375	6.35	9.52	
K	.156	---	3.97	---	
M	---	.667	---	16.94	Dia
N	---	.080	---	2.03	Dia
P	.140	.175	3.56	4.44	

Microsemi Catalog Number	JEDEC types	Peak Reverse Voltage
S3520	1N2128,A 1N2458	50V
	1N2129,A 1N2459	100V
	1N2130,A 1N2460	150V
	1N2131,A 1N2461 1N2788 1N3968 1N4136	200V
	1N2132,A 1N2462	250V
S3540	1N2133,A 1N2463	300V
	1N2134,A 1N2464	350V
	1N2135,A 1N2465 1N2789 1N3969 1N4137	400V
	1N2136,A	450V
	1N2137,A 1N2466	500V
S3560	1N2138,A 1N2467	600V
	1N2468	700V
	1N2469 1N3971	800V
S3580		1000V
S35100		1200V
S35120		1400V
S35140		1600V
S35160		1600V

For Reverse Polarity change S to R
For JEDEC parts add R suffix for Reverse Polarity

D0203AB (D05)

- Low Forward Voltage
- Glass to Metal Seal Construction
- Glass Passivated Die
- VRRM to 1600V
- 1050 Amps Surge Rating

Electrical Characteristics

Average forward current	IF(AV) 70 Amps	TC = 152°C, Half Sine Wave, RθJC = 0.65°C/W 8.3ms, half sine, TJ = 200°C
Maximum surge current	IFSM 1050 Amps	
Max I² t for fusing	I² t 4500 A²s	IFM = 200A: TJ = 25°C* VRRM, TJ = 25°C VRRM, TJ = 150°C
Max peak forward voltage	VFM 1.25 Volts	
Max peak reverse current	IRM 25 µA	
Max peak reverse current	IRM 2.5 mA	
Max Recommended Operating Frequency	10kHz	

*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	0.65°C/W Junction to Case
Mounting torque		25-30 inch pounds
Weight		.5 ounces (14 grams) typical



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05-02-07 Rev. 3

S/R35

Figure 1
Typical Forward Characteristics

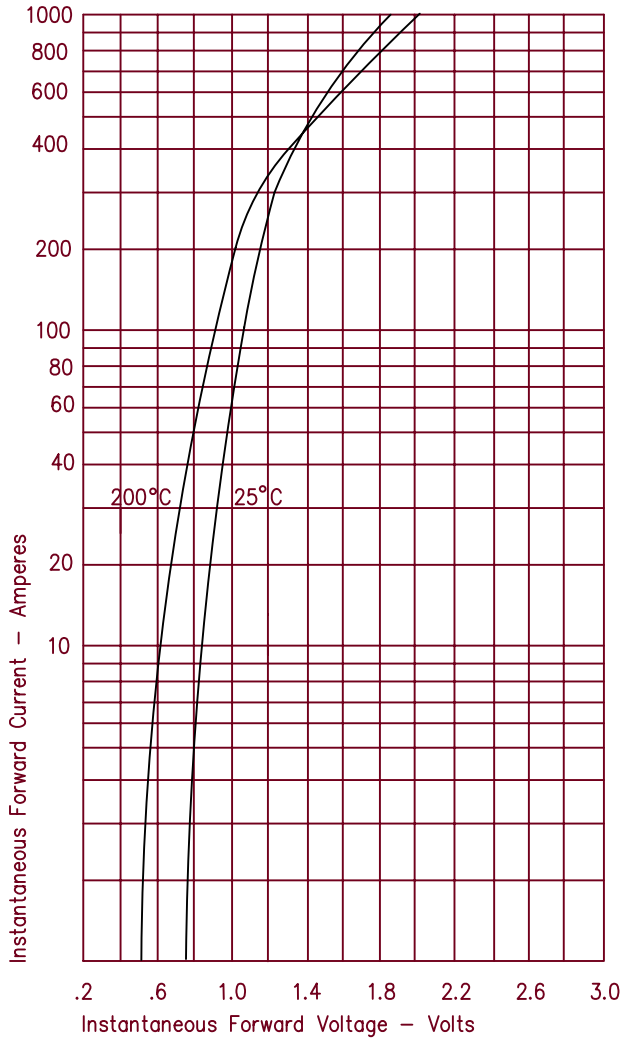


Figure 3
Forward Current Derating

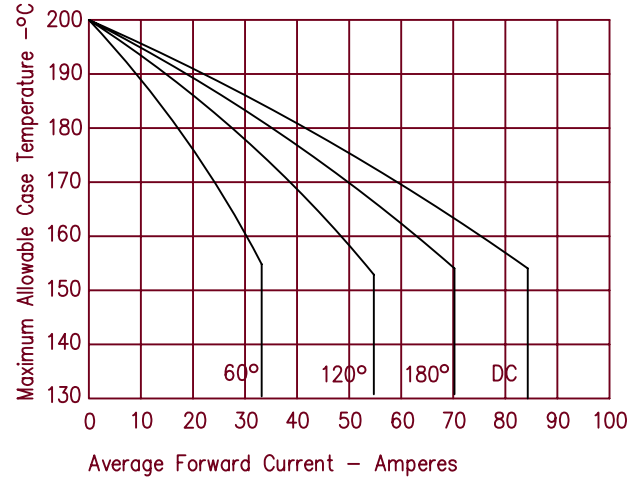


Figure 4
Maximum Forward Power Dissipation

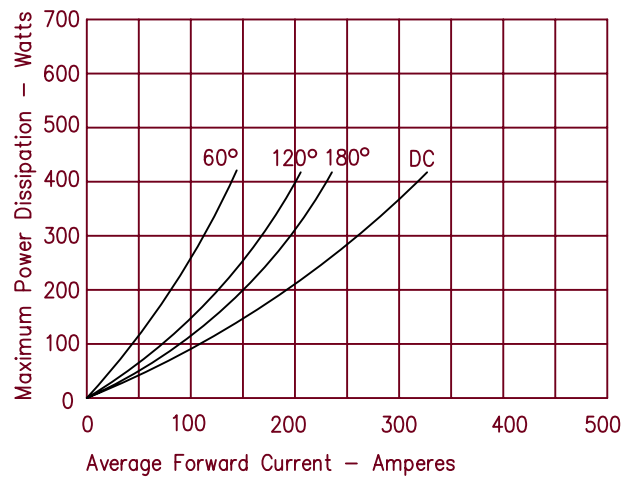


Figure 2
Typical Reverse Characteristics

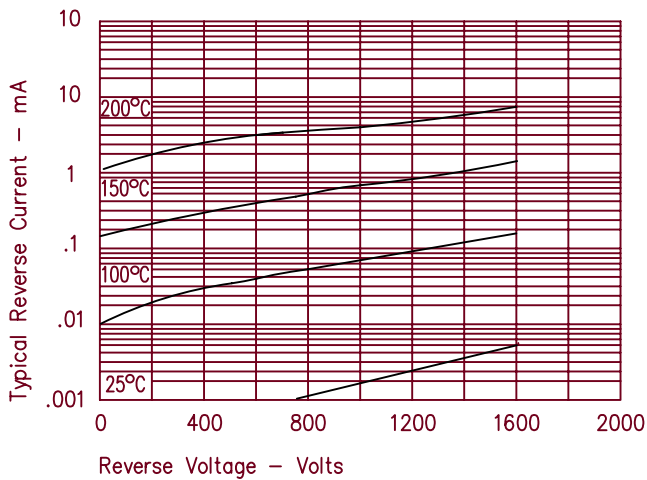


Figure 5
Transient Thermal Impedance

