

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!



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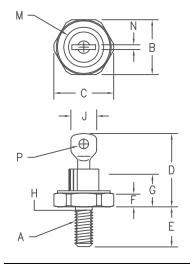
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







Silicon Power Rectifier S/R204 Series



Notes:

- 1. 10-32 UNF3A
- 2. Full threads within 2 1/2 threads
- Standard Polarity: Stud is Cathode Reverse Polarity: Stud is Anode

Dim	n. Inches		Millimeter		
	Minimum	Maximum	Minimum	Maximum	Notes
Α					1
В	.424	.437	10.77	11.10	
С		.505		12.82	
D	.600	.800	15.24	20.32	
Ε	.422	.453	10.72	11.50	
F	.075	.175	1.91	4.44	
G		.405		10.29	
Н	.163	.189	4.15	4.80	2
J		.310		7.87	
М		.350		8.89	Dia
Ν	.020	.065	.510	1.65	
Р	.070	.100	1.78	2.54	Dia

D0203AA (D04)

Microsemi	JEDEC	Peak Reverse				
Catalog Number	Numbers	Voltage				
Standard	1N1199, 1N1199A, 1N1199B	50V				
*S20410	1N1200, 1N1200A, 1N1200B	100V				
	1N1201, 1N1201A, 1N1201B	150V				
*S20420	1N1124,A, 1N1202, 1N1202A, 1N1202B	200V				
	1N1125,A, 1N1203, 1N1203A, 1N1203B	300V				
*S20440	1N1126,A, 1N1204, 1N1204A, 1N1204B	400V				
	1N1127,A, 1N1205, 1N1205A, 1N1205B	500V				
*S20460	1N1128,A, 1N1206, 1N1206A, 1N1206B	600V				
*S20480		800V				
*S204100		1000V				
*S204120_		1200V				
*Change S to R in part number for Reverse Polarity						
For JEDEC numbers add R to part number for Reverse Polarity NOTE: The Reverse Polarity For the A & B versions						
Foldrity NOIL. The Neverse Foldrity For the A & B versions						

may be listed as RA or RB instead of AR or BR

- Glass Passivated Die
- Low Forward Voltage
- 250A Surge Rating
- Glass to metal seal construction
- VRRM to 1200V
- Low cost Non-RoHS package

Electrical Characteristics

Average forward current

Maximum surge current

Max I 2 t for fusing

Max peak forward voltage

Max peak reverse current

Max peak reverse current

Max peak reverse current

Max Recommended Operating Frequency

IF(AV) 12 Amps

IF(AV) 12 A

 ^{T}C = 170°C, half sine wave, $^{R}\Theta JC$ = 2.5°C/W 8.3ms, half sine, ^{T}J = 200°C

IFM = 30A: TJ = 25°C * VRRM, TJ = 25°C

VRRM, TJ = 150°C*

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

Thermal and Mechanical Characteristics

Storage temperature range Operating junction temp range Maximum thermal resistance Mounting torque Weight $\begin{array}{c} \mathsf{T}_{\mathsf{STG}} \\ \mathsf{T}_{\mathsf{J}} \\ \mathsf{R}_{\mathsf{\theta}\mathsf{JC}} \end{array}$

-65°C to 200°C -65°C to 200°C 2.5°C/W Junction to Case 25-30 inch pounds

.16 ounces (5.0 grams) typical

S/R204

Figure 1 Typical Forward Characteristics

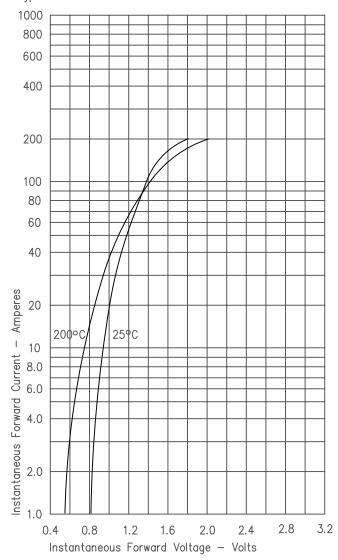


Figure 2 Typical Reverse Characteristics

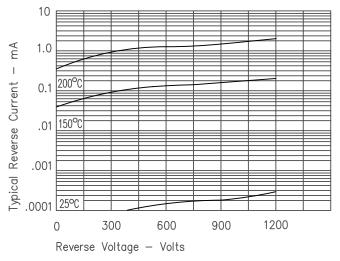


Figure 3 Forward Current Derating

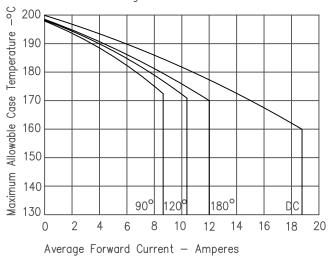


Figure 4
Maximum Forward Power Dissipation

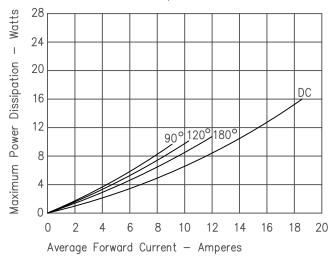


Figure 5 Transient Thermal Impedance

