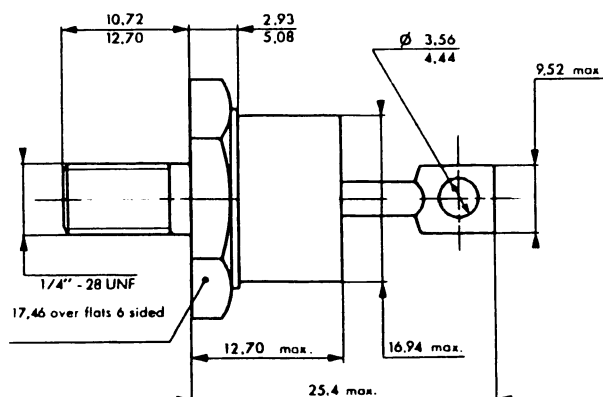




SOLID STATE INC.

46 FARRAND STREET
BLOOMFIELD, NEW JERSEY 07003

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D05

JEDEC types

Peak Reverse
Voltage

1N2128,A	1N2458	50V
1N2129,A	1N2459	100V
1N2130,A	1N2460	150V
1N2131,A	1N2461	200V
1N2132,A	1N2462	250V
1N2133,A	1N2463	300V
1N2134,A	1N2464	350V
1N2135,A	1N2465	400V
1N2136,A		450V
1N2137,A	1N2466	500V
1N2138,A	1N2467	600V
	1N2468	700V
	1N2469	800V
		1000V
		1200V
		1400V
		1600V

For JEDEC parts add R suffix for Reverse Polarity

- Low Forward Voltage
- Glass to Metal Seal Construction
- 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
Maximum surge current	IFSM 1050 Amps	8.3ms, half sine, TJ = 200°C
Max I ² t for fusing	I ² t 4500 A ² s	
Max peak forward voltage	VFM 1.25 Volts	IFM = 200A: TJ = 25°C*
Max peak reverse current	IRRM 25 μA	VRRM, TJ = 25°C
Max peak reverse current	IRM 2.5 mA	VRRM, TJ = 150°C
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

Figure 1
Typical Forward Characteristics

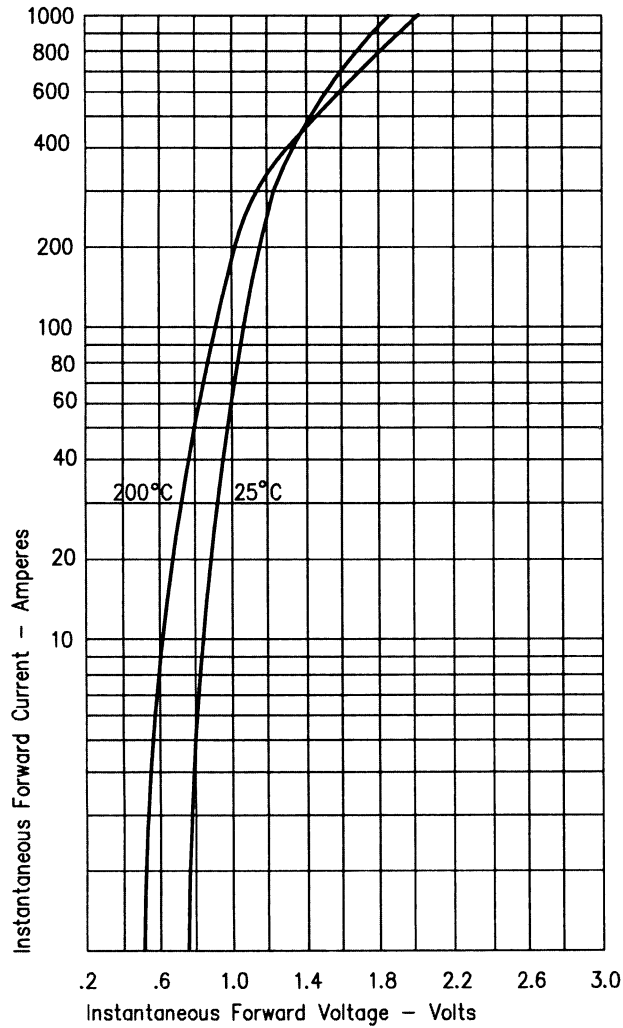


Figure 2
Typical Reverse Characteristics

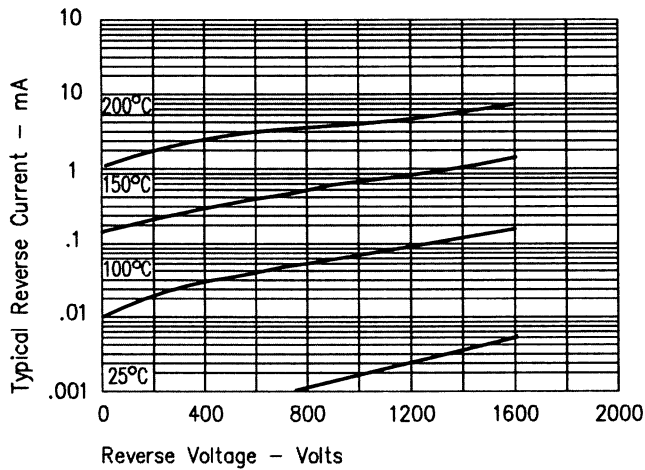


Figure 3
Forward Current Derating

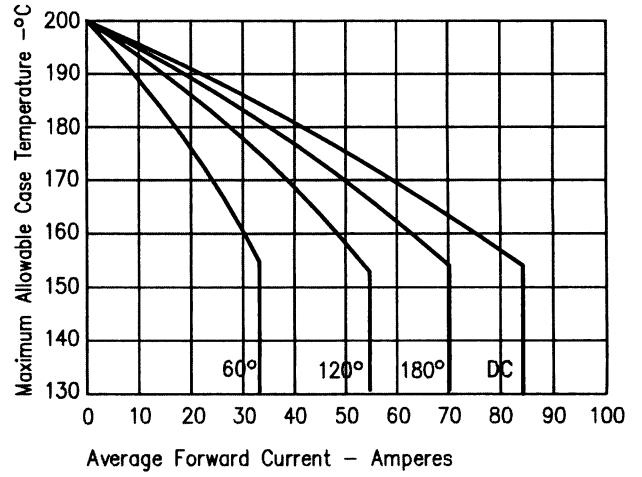


Figure 4
Maximum Forward Power Dissipation

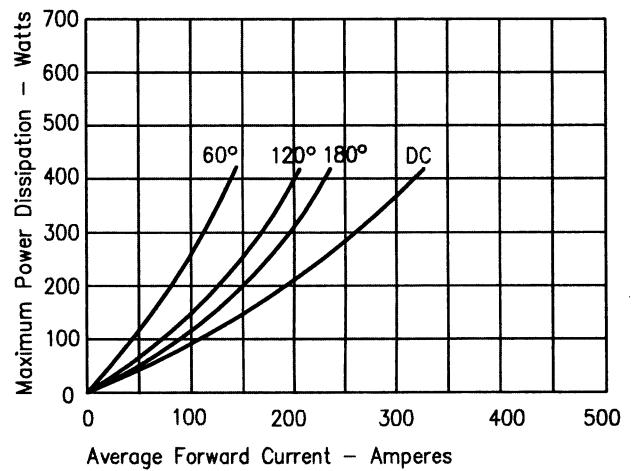


Figure 5
Transient Thermal Impedance

