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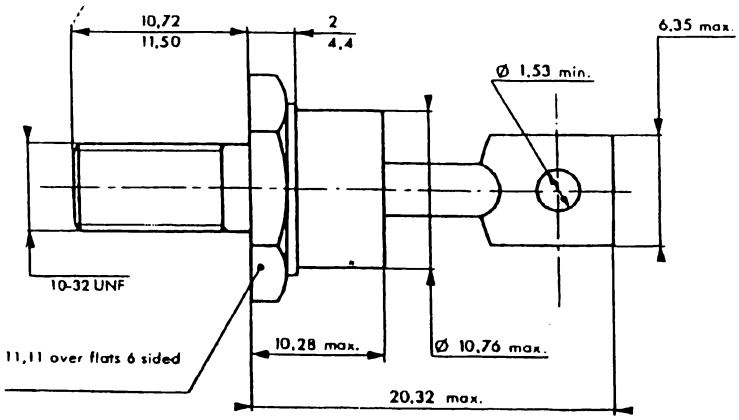

DO4

	JEDEC Numbers		Peak Reverse Voltage
1N2246,A	1N2598		50V
1N2248,A			100V
			150V
1N2250,A	1N2784	1N4506	200V
1N2252,A			300V
1N2254,A	1N2785	1N4507	400V
1N2256,A			500V
1N2258,A		1N4508	600V
	1N3670,A		700V
1N2260,A	1N3671,A	1N4509	800V
	1N3672,A		900V
1N2262,A	1N3673, A	1N4510	1000V
1N2264,A		1N4511	1200V
	1N5331,A		1400V
			1600V

For 1N types, use an R suffix for Reverse Polarity

- Low Forward Voltage
- 250A Surge Rating
- Glass to metal seal construction
- V_{RRM} to 1600V

Electrical Characteristics

Average forward current	$I_{F(AV)}$ 22 Amps	T_C = 134°C, half sine wave, $R_{\theta JC}$ = 2.5°C/W
Maximum surge current	I_{FSM} 250 Amps	8.3ms, half sine, T_J = 200°C
Max I^2t for fusing	I^2t 260 A^2s	
Max peak forward voltage	V_{FM} 1.2 Volts	I_{FM} = 30A: T_J = 25°C *
Max peak reverse current	I_{RM} 10 µA	V_{RRM}, T_J = 25°C
Max peak reverse current	I_{RM} 1.0 mA	V_{RRM}, T_J = 150°C
Max Recommended Operating Frequency	10kHz	

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

Thermal and Mechanical Characteristics

Storage temperature range	T_{STG}	−65°C to 200°C
Operating junction temp range	T_J	−65°C to 200°C
Maximum thermal resistance	$R_{\theta JC}$	2.5°C/W Junction to Case
Mounting torque		25−30 inch pounds
Weight		.16 ounces (5.0 grams) typical

Figure 1
Maximum Forward Characteristics

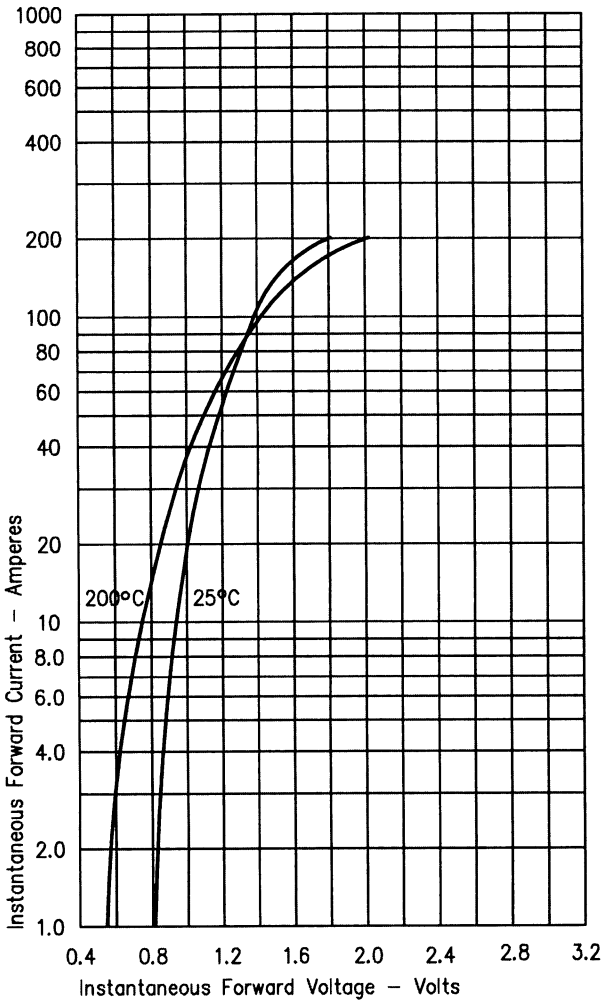

Figure 2
Typical Reverse Characteristics

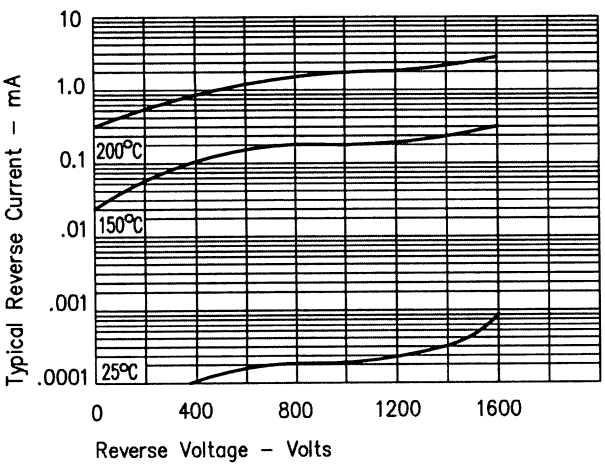

Figure 3
Forward Current Derating

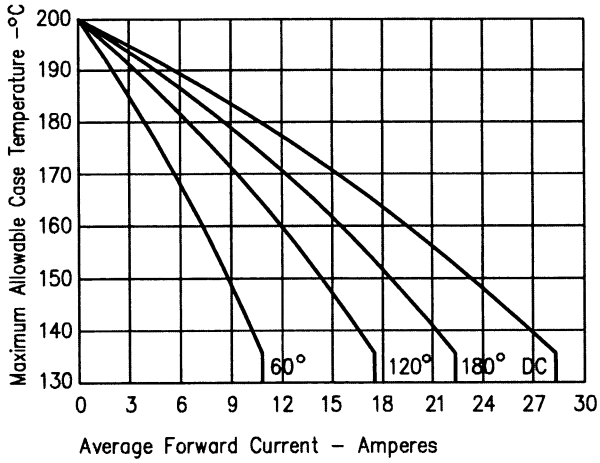

Figure 4
Maximum Forward Power Dissipation

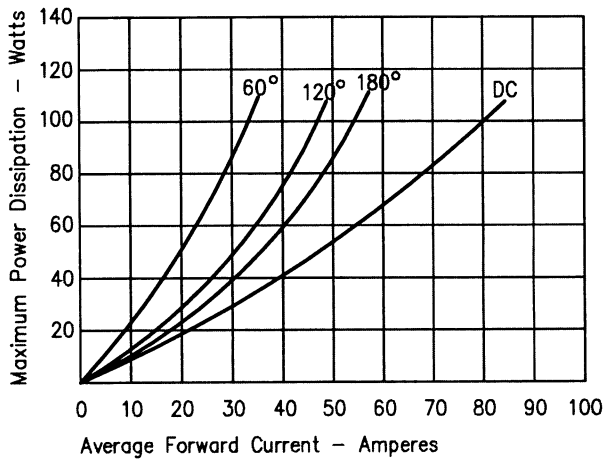

Figure 5
Transient Thermal Impedance