

SILICON POWER DIODE



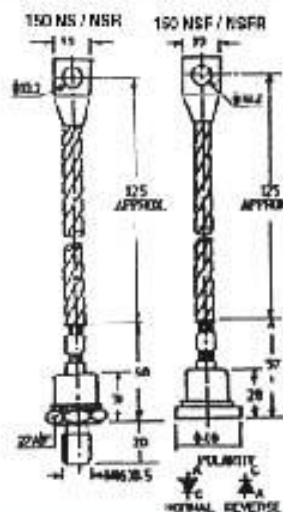
N A I N A

FEATURES

- Diffused Series
- Available in Normal & Reverse Polarity
- Industrial Grade
- Available In Avalanche Characteristic

ELECTRICAL SPECIFICATIONS

T_F	Maximum Average Forward Current $T_c = 125^\circ\text{C}$	150A
V_{FM}	Maximum peak forward voltage drop @ Rated $I_F(AV)$	1.4V
I_{FSM}	Maximum peak one cycle (non-rep) surge current 10 m sec	3000A
I_{RRM}	Maximum peak repetitive surge current	750A
I^2t	Maximum I^2t rating (non-rep.) for 5 to 10 msec.	65,000 A^2Sec



THERMAL MECHANICAL SPECIFICATIONS

θ_{jc}	Maximum thermal resistance Junction to case	025°C/W
Tj	Operating Junction Temp.	-65°C to 150°C
Tstg	Storage temperature	-65°C to 200°C
	Mounting torque (Non-lubricated threads)	2.0 M-kg min, 3.0 M-kg max
W	Approx, weight	150 gms.

ELECTRICAL RATINGS

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