



40 Ampere Silicon Power Diodes

DO-5

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

40HF/HFR

I_{F(AV)}	Maximum Average Forward Current T _c = 140°C	40A
V_{FM}	Maximum peak forward voltage drop @ Rated I _{F(AV)}	1.3 V
I_{FSM}	Maximum peak one cycle (non-rep) surge current 10 msec	500 A
I_{FRM}	Maximum peak repetitive surge current	200 A
I_{2t}	Maximum I ² t rating (non-rep.) for 5 to 10 msec.	1200A A ² Sec

THERMAL MECHANICAL SPECIFICATIONS

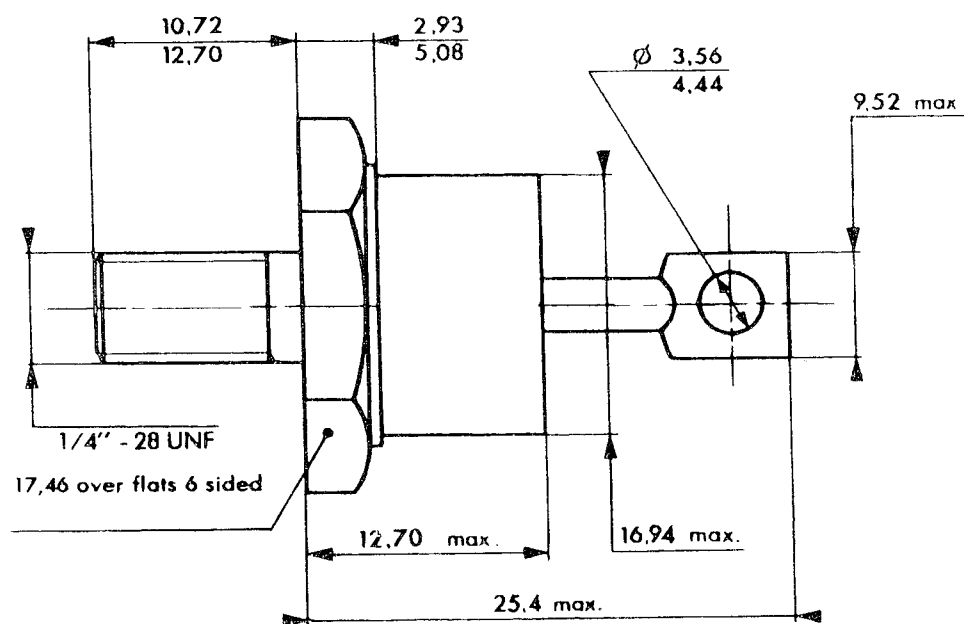
O _{J-C}	Maximum thermal resistance junction to case	0.65°C/w
T _J	Operating Junction Temp.	-65°C to 150°C
T _{stg}	Storage temperature.	-65°C to 200°C
	Mounting torque (Non-lubricated threads)	0.4 M-Kg min. 0.6 M-kg max.
W	Approx. weight	13.5 & 30 gms.

ELECTRICAL RATING

[illegible]

PACKAGE MECHANICAL DATA

DO 5 Metal



Marking : Cathode connected to case : type number

Anode connected to case : type number + suffix R