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Silicon Rectifiers

12 Ampere & 16 Ampere Silicon Power Diodes

FEATURES

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

DO-4

ELECTRICAL SPECIFICATIONS

		12F/FR	16F/FR
IF(A)	Maximum Average Forward Current Tc = 150°C	12A	16 A
VFM	Maximum peak forward voltage drop @ Rated 1F(AV)	1.2 V	1.2 V
IFSM	Maximum peak one cycle (non-rep) surge current 10 msec	250 A	300 A
IFRM	Maximum peak one cycle (non-rep) surge current 10 msec	60 A	80 A
I2t	Maximum I ² t rating (non-rep.) for 5 to 10 msec.	250 A ² Sec	450A ² Sec

THERMAL MECHANICAL SPECIFICATIONS

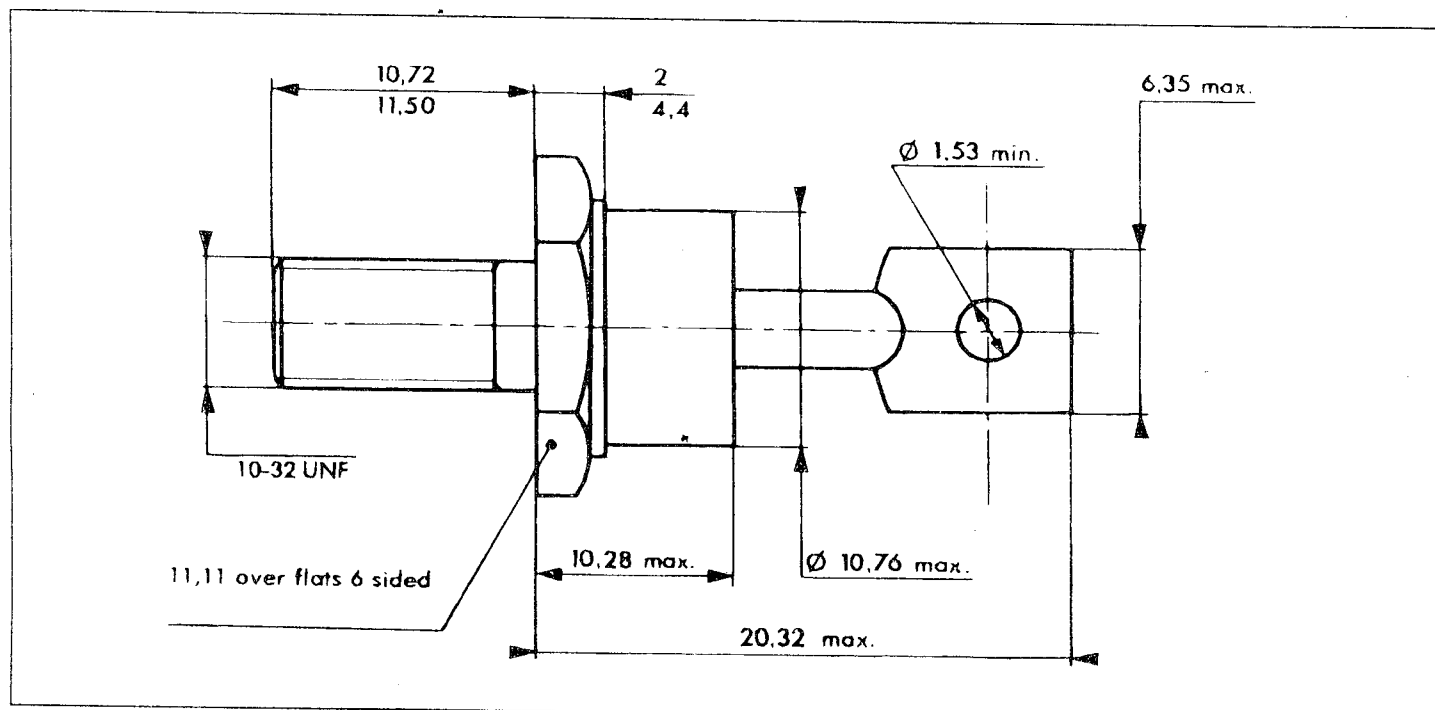
	Maximum thermal resistance junction to case	2°C/w 1°C/W
TJ	Operating Junction Temp.	-65°C to 150°C
Tstg	Storage temperature.	-65°C to 150°C
	Mounting torque (Non-lubricated threads)	0.14 M-Kg min., 0.17 M-kg max.
W	Approx. weight	7 gms.

ELECTRICAL RATINGS

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PACKAGE MECHANICAL DATA

DO 4 Metal



Marking : Cathode connected to case : type number

Anode connected to case : type number + suffix R