SILICON RECTIFIERS

70 Ampere Silicon Power Diodes

FEATURES

- Diffused Series
- ❖ Available in Normal & Reverse Polarity

Industrial grade

Available In Avalanche Characteristic

DO-5

ELECTRICAL	SPECIFICATIONS	70HF/HFR
DEECTRICAL	SI LCII ICATIONS	/ / / / / / / / / / / / / / / / / / / /

lF(AV)	Maximum Average Forward	70A			
	Current Tc = 125°C				
$V_{\rm FM}$	Maximum peak forward voltage drop @	1.3 V			
, 1111	Rated 1F(AV)				
IFSM	Maximum peak one cycle (non-rep) surge	1000 A			
	current 10 msec .				
IFRM	IFRM Maximum peak cylce repetive surge current				
I2t	Maximum I 2t rating (non-rep.) for 5 to 10	7500			
	msec.	A ² Sec			

THERMAL MECHANICAL SPECIFICATIONS

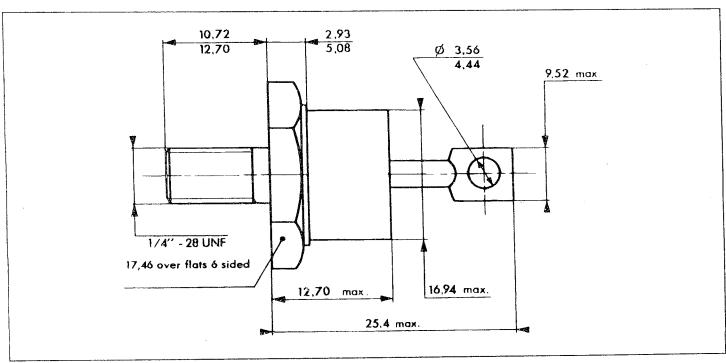
OJ-C	Maximum thermal resistance junction to case	0.55° C/W
Тл	Operating Junction Temp.	-65°C to 150°C
Tstg	Storage temperature.	-65°C to 200°C
	Mounting torque	0.4 M-Kg min.
	(Non-lubricated threads)	0.6 M-kg max.
W	Approx. weight	135 & 30 gms.

ELECTRICAL RATINGS

TYPE	NUMBER 70 HF/HFR	10	20	40	60	80	100	120	140	160
VRRM	Max. repetitive peak voltage (V)	100	200	400	600	800	1000	1200	1400	1600
VR(RMS)	Max.R.M.S Reverse Voltage (V)	70	140	280	420	560	700	840	980	1120
VR	Max. D.C. Blocking Voltage(V)	100	200	400	600	800	1000	1200	1400	1640
	Recommended R.M.S. working voltage (V)	40	80	160	240	320	400	480	560	640
IR(AV)	Max. Average reverse leakage current @ VRRM Tc 25°C (uA)	200	200	200	200	200	200	200	200	200

PACKAGE MECHANICAL DATA

DO 5 Metal



Marking : Cathode connected to case : type number Anode connected to case : type number + suffix \boldsymbol{R}

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