

Rectifier Diode D170



Technical Data

Typical applications :All purpose high power rectifier diodes, Non-controllable rectifiers .
Free-wheeling diodes & welding

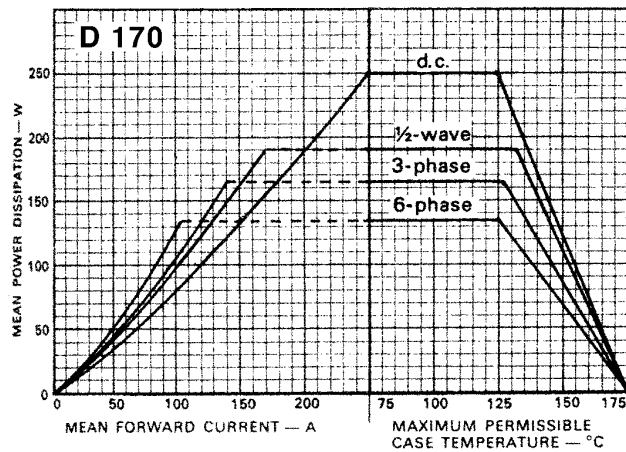
Type No.	V_{RRM} (Volts)	V_{RSM} (Volts)
D170/04	400	500
D170/08	800	900
D170/12	1200	1300
D170/14	1400	1500
D170/16	1600	1700

Features

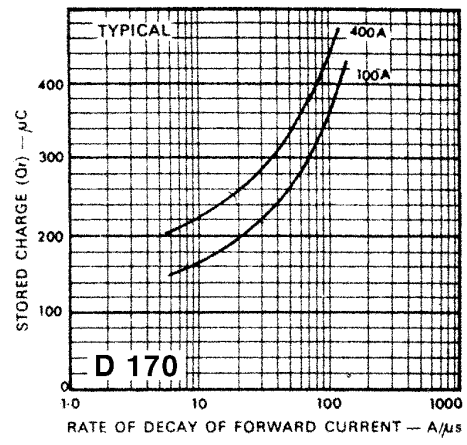
- Reverse voltage upto 1600V.
- Hermatic glass to metal seal
- C : Cathode to stud
- A : Anode to stud

Symbol	Conditions	Values
$I_{F(AV)}$	Sin 180; Tcase = 132 °C	170 A
I_{FSM}	Tvj = 175 °C ; 10 ms with 50% VRRM	4.5 KA
I^2t	Tvj = 175 °C ; 10 ms Tvj = 175 °C ; 3 ms	101000 A ² s 74000 A ² s
I_{RRM}	Tvj = 175 °C	15 mA max
V_F	Tvj = 25 °C ; $I_F = 500$ A	1.30 V max
V_o	Tvj = 175 °C	0.81 V
R_o	Tvj = 175 °C	0.84 m
$R_{th(j-c)}$ $R_{th(c-h)}$ T_{vj} T_{stg}	d.c. Half wave 3 phase	0.20 °C/W 0.22 °C/W 0.30 °C/W 0.15 °C/W 175 °C -40.....+ 175 °C
Mounting torque	SI units	10 Nm
Weight	Approx	100 g
Case outline		W / M

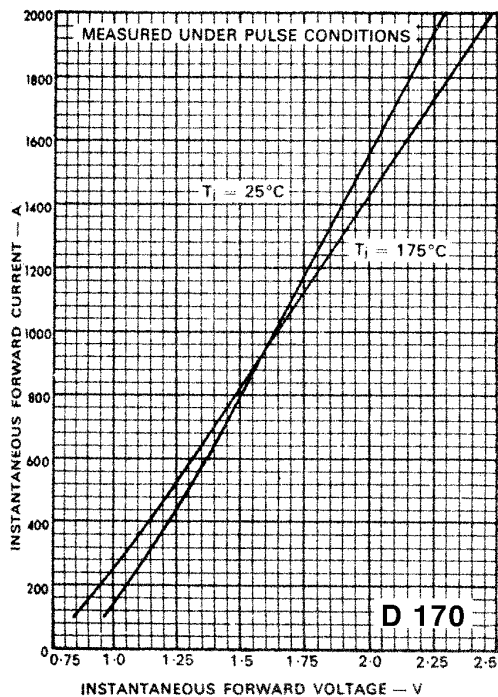




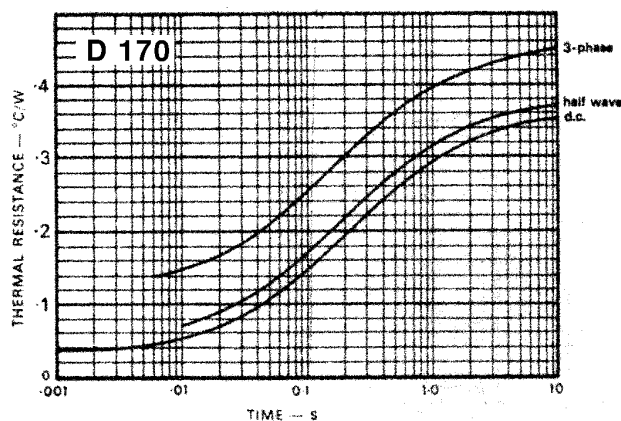
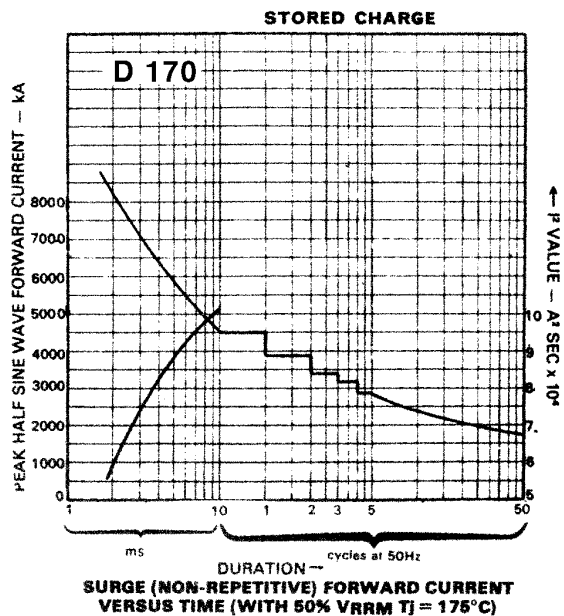
DISSIPATION CURVES



STORED CHARGE



MAXIMUM (LIMIT) FORWARD CHARACTERISTICS

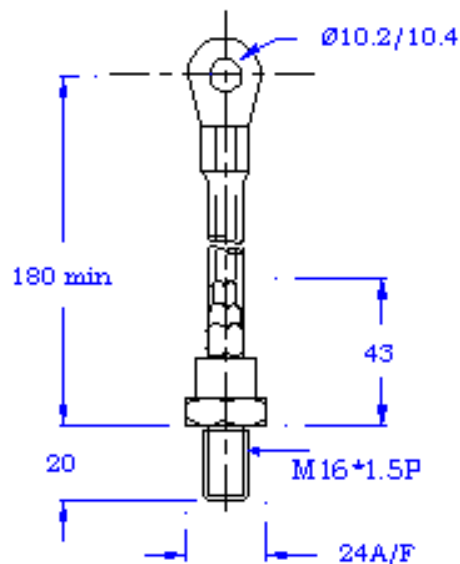


MAXIMUM (LIMIT) THERMAL RESISTANCE (JUNCTION TO HEATSINK SURFACE)

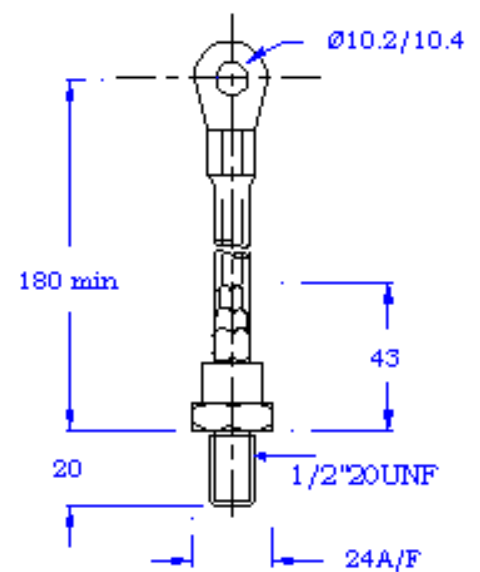
PACAKAGE DEATILS

DO NOT SCALE

All Dimensions in mm



Mounting Torque 10NM **W**



Mounting Torque 10NM **M**