

Rectifier Diode D70



Technical Data

Typical applications :All purpose high power rectifier diodes, Non-controllable and half controlled rectifiers .

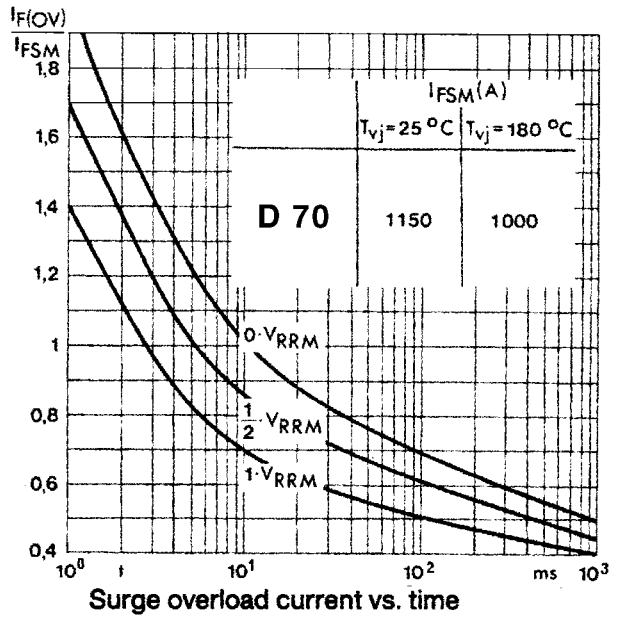
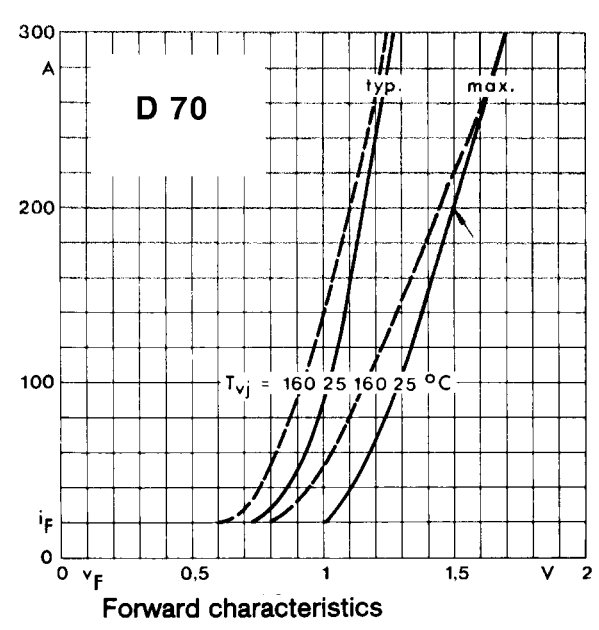
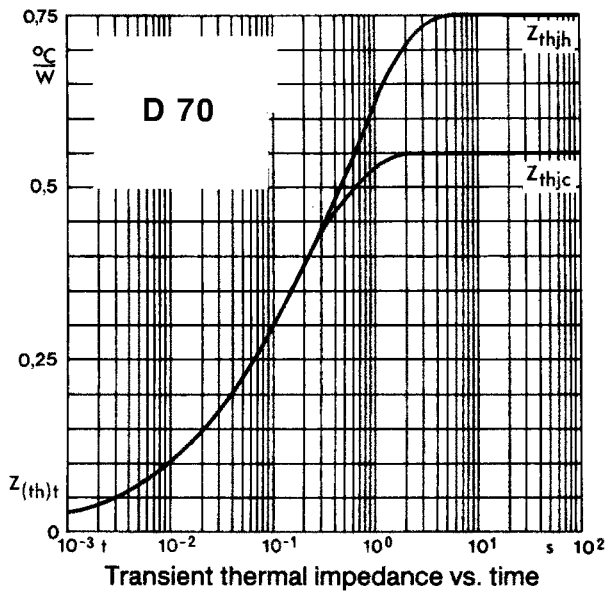
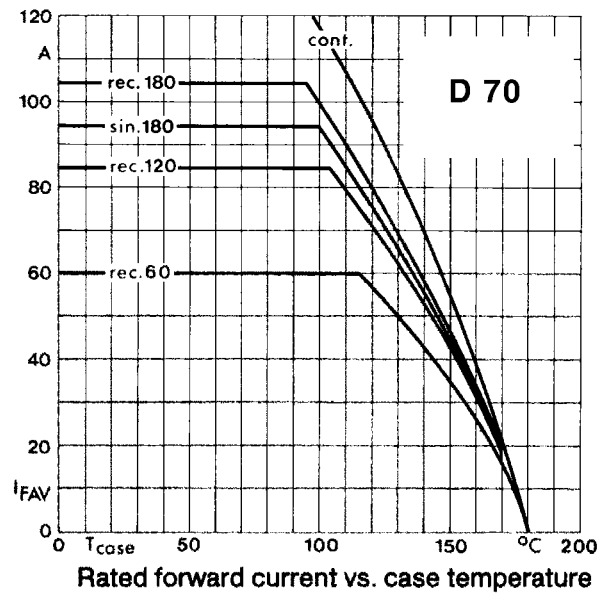
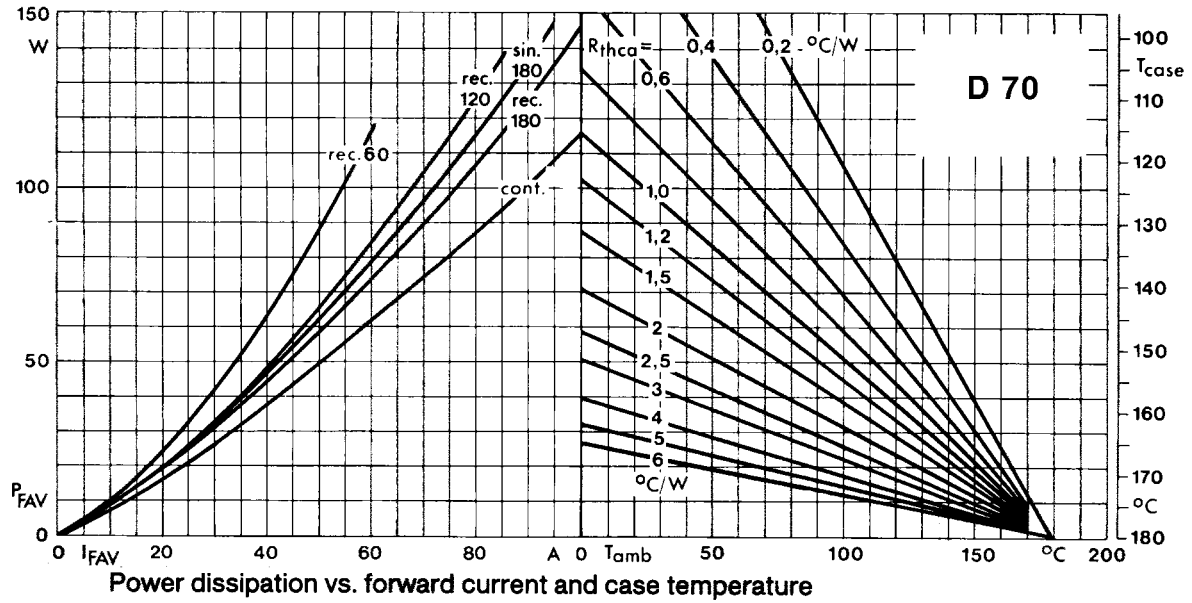
Type No.	V_{RRM} (Volts)	V_{RSM} (Volts)
D70/02	200	300
D70/04	400	500
D70/08	800	900
D70/12	1200	1300
D70/16	1600	1700

Features

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

Symbol	Conditions	Values
$I_{F(AV)}$	Sin 180 ; $T_{case} = 125\text{ }^{\circ}\text{C}$	70 A
I_{FSM}	$T_{vj} = 25\text{ }^{\circ}\text{C}$; 10 ms	1150 A
	$T_{vj} = 180\text{ }^{\circ}\text{C}$; 10 ms	1000 A
I^2t	$T_{vj} = 25\text{ }^{\circ}\text{C}$	6600 A ² s
	$T_{vj} = 180\text{ }^{\circ}\text{C}$	5000 A ² s
I_{RRM}	$T_{vj} = 180\text{ }^{\circ}\text{C}$	10 mA max
V_F	$T_{vj} = 25\text{ }^{\circ}\text{C}$; $I_F = 200\text{ A}$	1.5 V max
V_0	$T_{vj} = 180\text{ }^{\circ}\text{C}$	0.85 V
R_0	$T_{vj} = 180\text{ }^{\circ}\text{C}$	3 m
$R_{th(j-c)}$		0.55 $^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$		0.20 $^{\circ}\text{C}/\text{W}$
T_{vj}		180 $^{\circ}\text{C}$
T_{stg}		-40.....+ 180 $^{\circ}\text{C}$
Mounting torque	SI units	4 Nm
Weight	Approx	30 g
Case outline		D/L

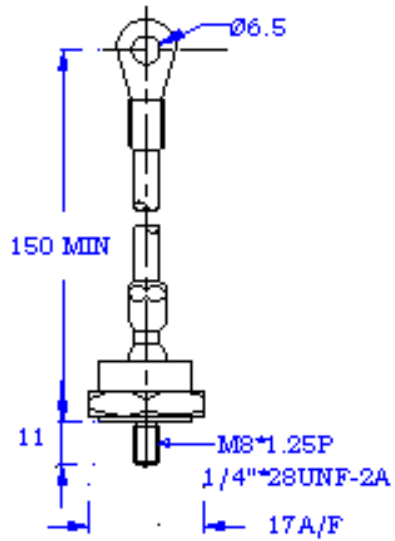




PACAKAGE DEATILS

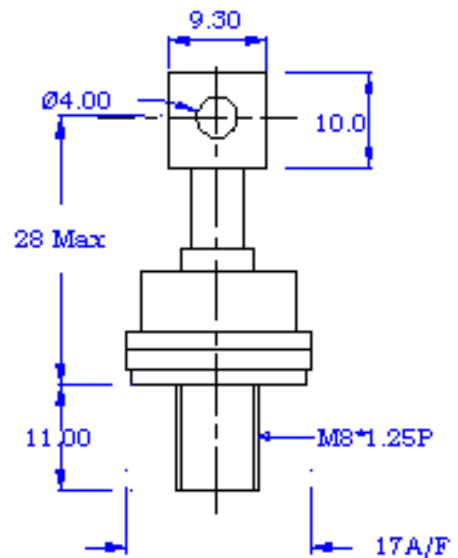
DO NOT SCALE

All Dimensions in mm



Mounting Torque 4 NM

D



Mounting Torque 4 NM

L