

Rectifier Diode

D25



Technical Data

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

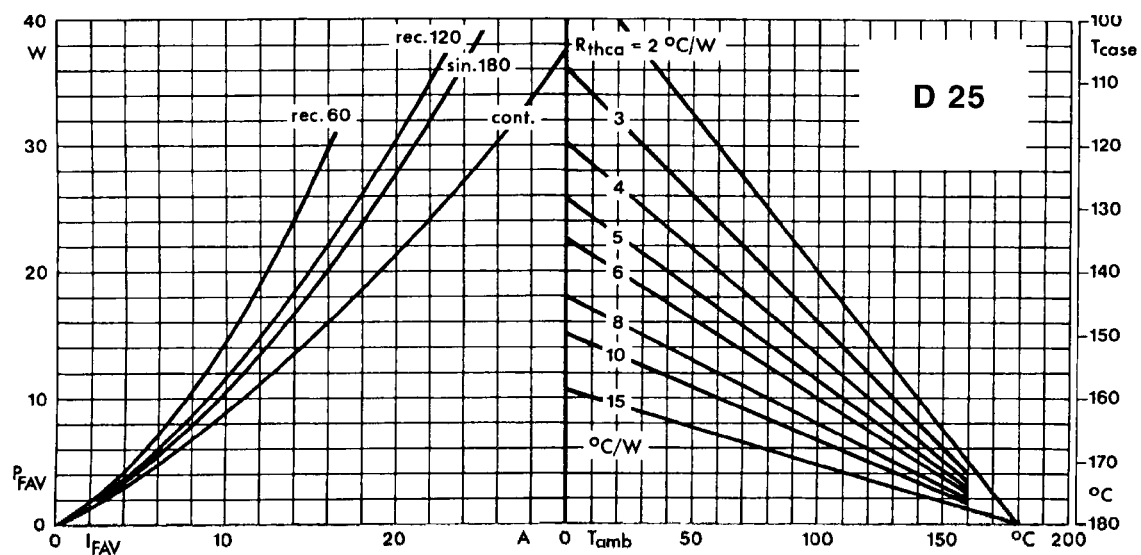
Type No.	V_{RRM} (Volts)	V_{RSM} (Volts)
D25/02	200	300
D25/04	400	500
D25/08	800	900
D25/12	1200	1300
D25/16	1600	1700

Features

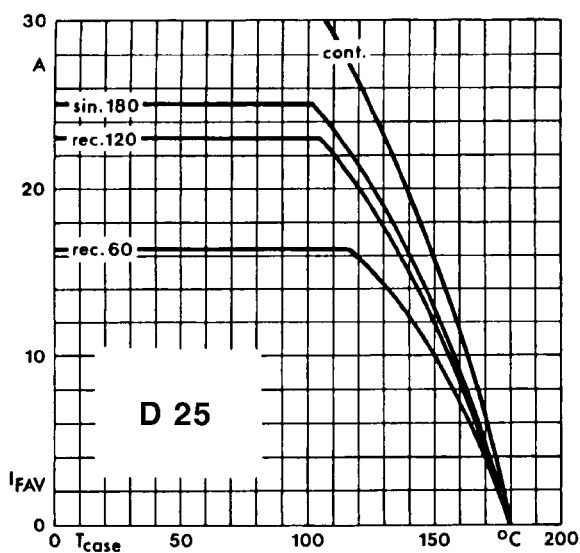
- Reverse voltage upto 1600V.
- Hermatic glass to metal seal
- C : Cathode to stud
- A : Anode to stud

Symbol	Conditions	Values
$I_{F(AV)}$	Sin 180 ; $T_{case} = 100^{\circ}C$	25 A
I_{FSM}	$T_{vj} = 25^{\circ}C$; 10 ms $T_{vj} = 180^{\circ}C$; 10 ms	375 A 320 A
I^2t	$T_{vj} = 25^{\circ}C$ $T_{vj} = 180^{\circ}C$	700 A^2s 510 A^2s
I_{RRM}	$T_{vj} = 180^{\circ}C$	4 mA max
V_F V_0 R_0	$T_{vj} = 25^{\circ}C$; $I_F = 60 A$ $T_{vj} = 180^{\circ}C$ $T_{vj} = 180^{\circ}C$	1.55V max 0.85 V 11 mW
$R_{th(j-c)}$ $R_{th(c-h)}$ T_{vj} T_{stg}		2.0 $^{\circ}C/W$ 1.0 $^{\circ}C/W$ 180 $^{\circ}C$ -40.....+ 180 $^{\circ}C$
Mounting torque	SI units	2 Nm
Weight	Approx	20 g
Case outline		C/P

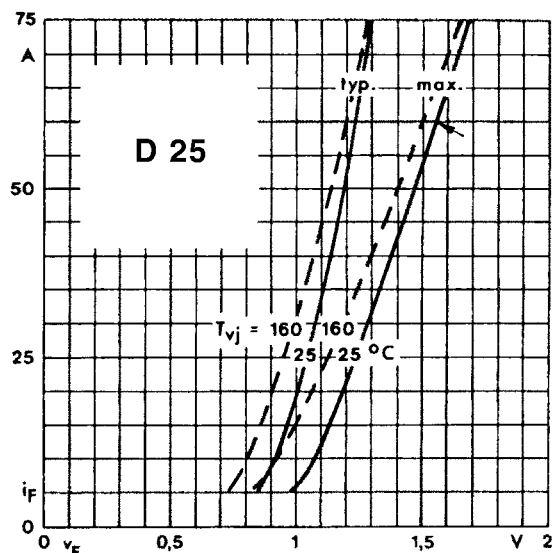




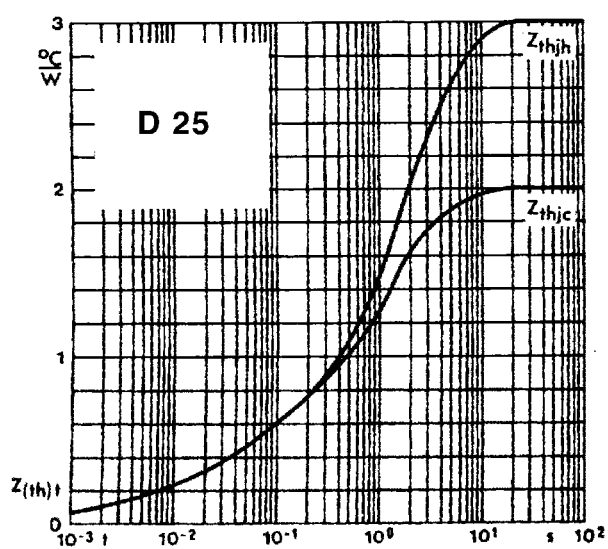
Power dissipation vs. forward current and case temperature



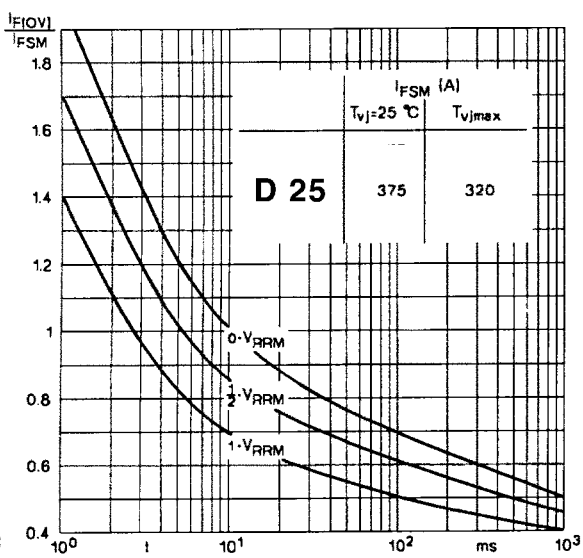
Rated forward current vs. case temperature



Forward characteristics



Transient thermal impedance vs. time

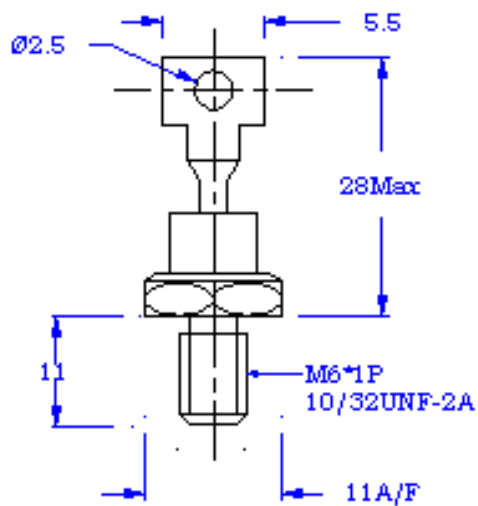


Surge overload current vs. time

PACAKAGE DEATILS

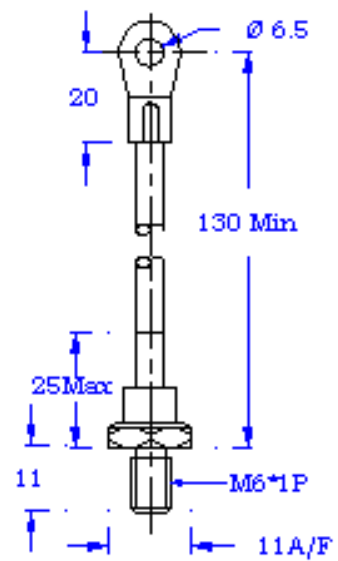
DO NOT SCALE

All Dimensions in mm



Mounting Torque 2NM

C



Mounting Torque 2NM

P