

# Rectifier Diode D400



## Technical Data

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

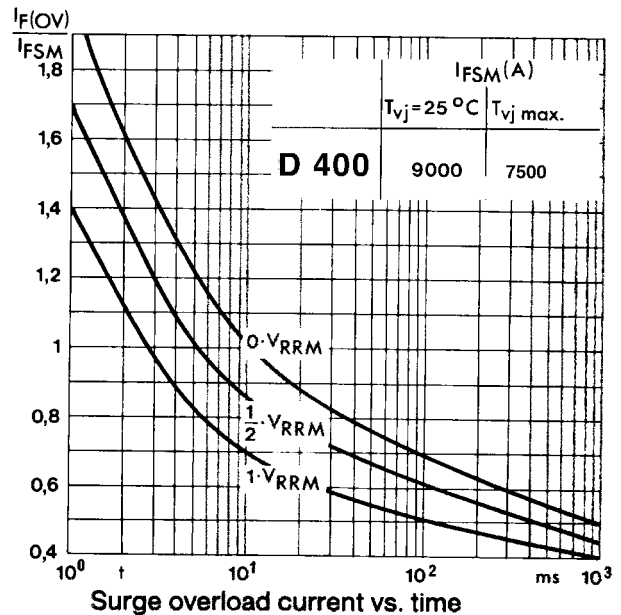
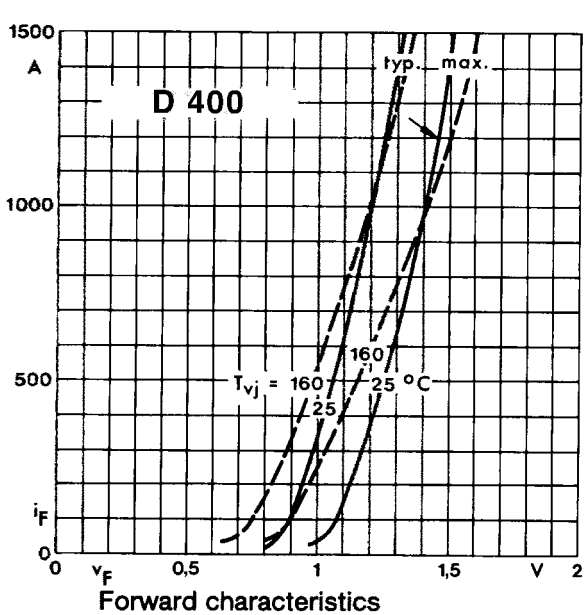
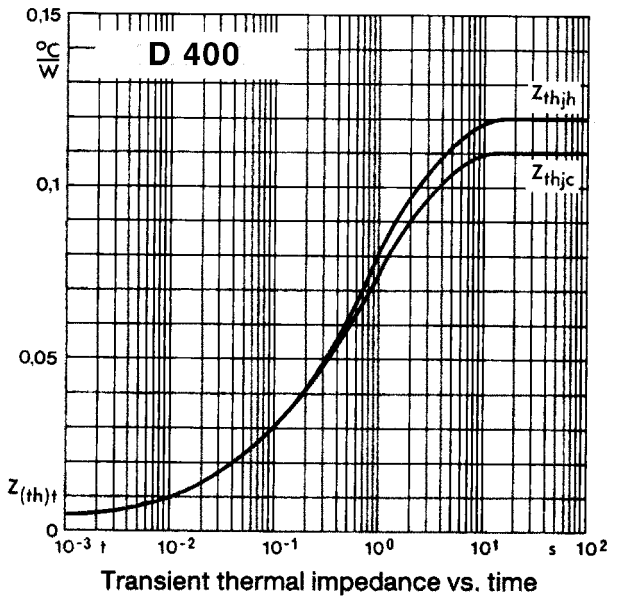
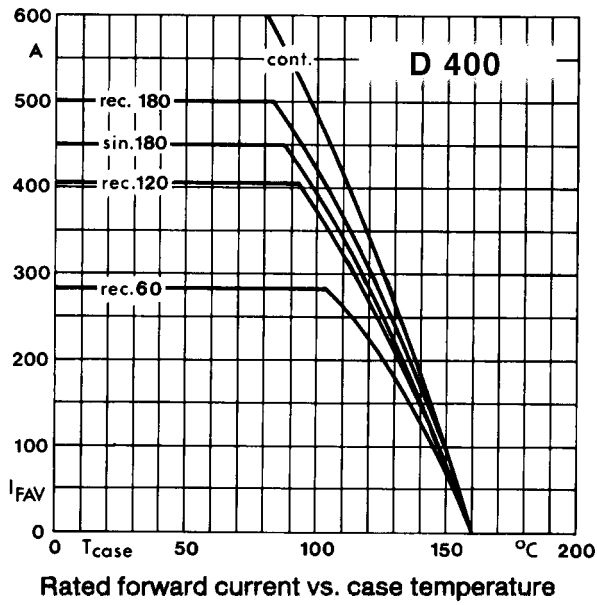
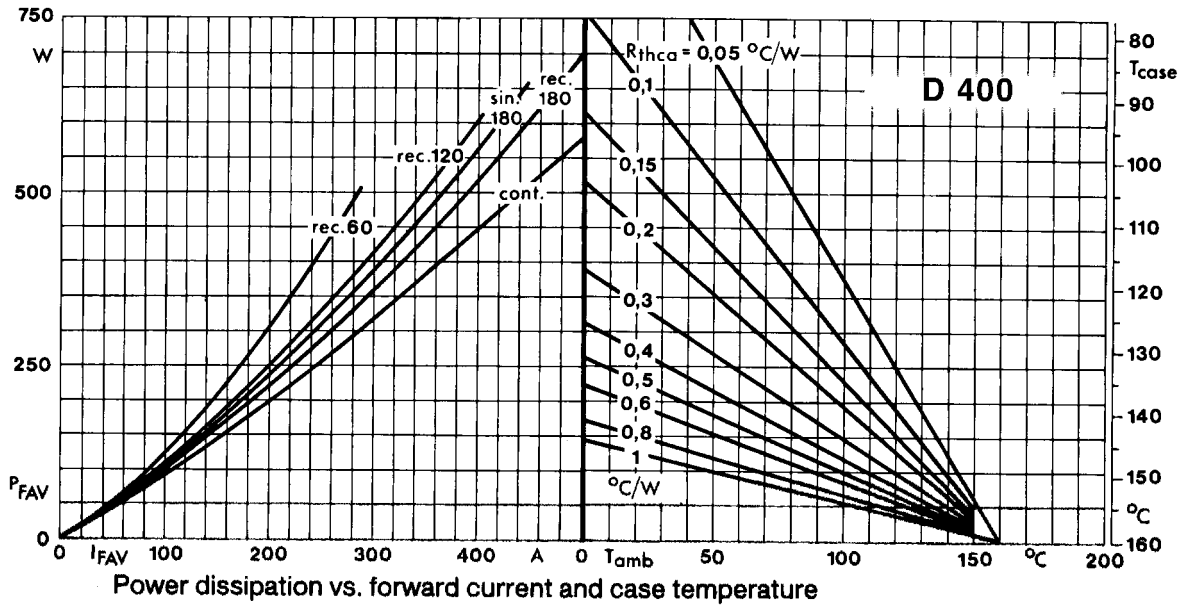
Type No.	$V_{RRM}$ (Volts)	$V_{RSM}$ (Volts)
D400/04	400	500
D400/08	800	900
D400/12	1200	1300
D400/16	1600	1700

### 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 ; $T_{case} = 100\text{ }^{\circ}\text{C}$	400 A
$I_{FSM}$	$T_{vj} = 25\text{ }^{\circ}\text{C}$ ; 10 ms	9000 A
	$T_{vj} = 180\text{ }^{\circ}\text{C}$ ; 10 ms	7500 A
$I^2t$	$T_{vj} = 25\text{ }^{\circ}\text{C}$	400000 $\text{A}^2\text{s}$
	$T_{vj} = 180\text{ }^{\circ}\text{C}$	280000 $\text{A}^2\text{s}$
$I_{RRM}$	$T_{vj} = 180\text{ }^{\circ}\text{C}$	100 mA max
$V_F$	$T_{vj} = 25\text{ }^{\circ}\text{C}$ ; $I_F = 1200\text{ A}$	1.45 V max
$V_0$	$T_{vj} = 180\text{ }^{\circ}\text{C}$	0.90 V
$R_0$	$T_{vj} = 180\text{ }^{\circ}\text{C}$	0.50 m
$R_{th(j-c)}$		0.11 $^{\circ}\text{C}/\text{W}$
$R_{th(c-h)}$		0.01 $^{\circ}\text{C}/\text{W}$
$T_{vj}$		180 $^{\circ}\text{C}$
$T_{stg}$		-40.....+ 180 $^{\circ}\text{C}$
Mounting torque	SI units	60Nm / 15Nm/bolt
Weight	Approx	350g / 500g
Case outline		Z / S





PACAKAGE DEATILS

DO NOT SCALE

All Dimensions in mm

