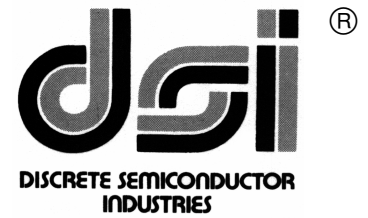


# Technical Data

## Diode



### maximum ratings

Voltage, Reverse (VR)	400	V
Voltage, Reverse Peak (VRM)	400	V
Current at VR = OV (IO)		A
Current Average Rectified (IF)	12	A
Current, Surge Peak (IZM)		A
Current, Surge (IFM) at tp = 10 ms	200	A
Max. Power Dissipation (PT) at TC = 100 °C	20	W
Max. Thermal Resistance (Rth J-A)	2.5	°C/W
Max. Junction Temperature (TJ)	+ 150	°C

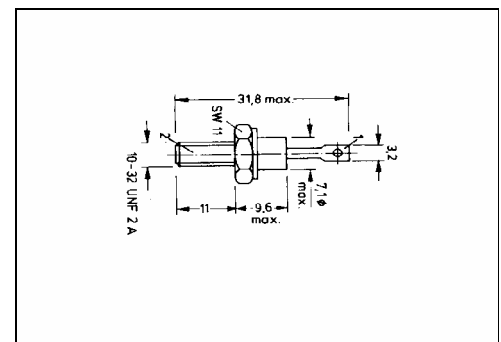
NO.	BYT 12 - 400
TYPE	FAST-RECOVERY
CASE	DO - 4

### PERFORMANCE CHARACTERISTICS at TC = 25°C, unless otherwise noted

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	IR	VR = 400 V	-	50	µA
2.		VR = 400 V, TJ = 100° C	-	2.5	mA
3.	VF	IF = 12 A	-	1.9	V
4.		IF = 12 A, TJ = 100° C	-	1.8	V
5.	trr	IF = 1 A, dif/dt = 15A/µs, VR = 30 V	-	120	ns
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					

Notes (1) pulse-tested tp ≤ 300 µsec, duty cycle ≤ 2%  
(2) typical value

DIMENSIONS  
in mm



Marking BYT 12 – 400

Customer GENERAL PURPOSE