

Technical Data

DIODE



maximum ratings

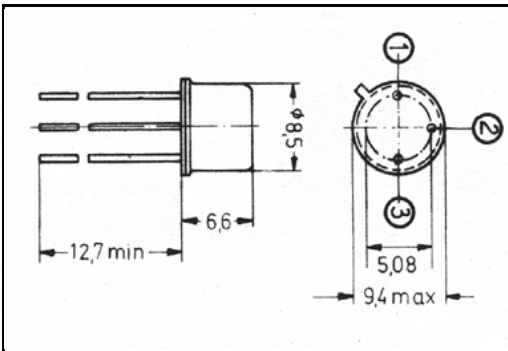
Voltage, Reverse (VZ)	15.0	V	NO.	1N3793B
Voltage, Reverse Peak (VRM)		V	TYPE	1.5W-ZENER
Current at VR = OV (IO)		A		
Current Average Rectified (IF)	0.3	A		
Current Surge Peak (IZM)	0.09	A	CASE	TO-39
Current, Surge (IFM) at tp =		A		CATHODE-TO-CASE
Max. Power Dissipation (PT) at TA = 25° C	1.5	W		
Max. Thermal Resistance (Rth J-A)	66.7	°C/W		
Max. Junction Temperature (TJ)	150.0	°C		

PERFORMANCE CHARACTERISTICS at T _c = 25°C, unless otherwise noted					
NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VZ	IZ = 25.0 mA, tp = 100.0 μs, dc = 0.1%	14.25	15.75	V
2.	RZ	IZ = 25.0 mA, Δ IZ = 10.0% IZ, f = 1.0 kHz	-	10.0	Ω
3.	IR	VR = 11.4 V	-	5.0	μA
4.	VF	IF = 300.0 mA (1)	-	1.5	V
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17.					
18.	-	PIN1 ANODE	0.0	0.0	-
19.	-	PIN2 N.C.	0.0	0.0	-
20.	-	PIN3 CATHODE/CASE	0.0	0.0	-

Notes

(1)pulse-tested tp ≤ 300 μs, duty cycle ≤ 2 %

DIMENSIONS
in mm



Marking

Customer

1N3793B

GENERAL PURPOSE