

Technical Data

DIODE



maximum ratings

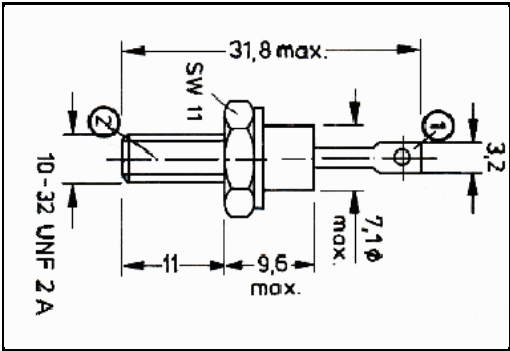
Voltage, Reverse (VZ)	5.6	V	NO.	1N3997RA
Voltage, Reverse Peak (VRM)		V	TYPE	ZENER
Current at VR = OV (IO)		A		
Current Average Rectified (IF)	2.0	A		
Current Surge Peak (IZM)	1.56	A	CASE	DO-4_UNF
Current, Surge (IFM) at tp =		A		ANODE TO CASE
Max. Power Dissipation (PT) at TC = 55 °C	10.0	W		
Max. Thermal Resistance (Rth J-C)	1.2	°C/W		
Max. Junction Temperature (TJ)	175.0	°C		

PERFORMANCE CHARACTERISTICS at T _c = 25°C, unless otherwise noted					
NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VZ	IZ =0.45 A, tp = 100.0 μs, dc = 0.1 %	5.32	5.88	V
2.	RZ	IZ = 0.45 A, Δ IZ = 10.0 % IZ, f = 1.0 kHz	-	1.0	Ω
3.	IR	VR =1.0 V	-	10.0	μA
4.	VF	IF =2.0 A (1)	-	1.5	V
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Notes

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

DIMENSIONS
in mm



Marking

Customer

1N3997RA

GENERAL PURPOSE