

Technical Data

DIODE



maximum ratings

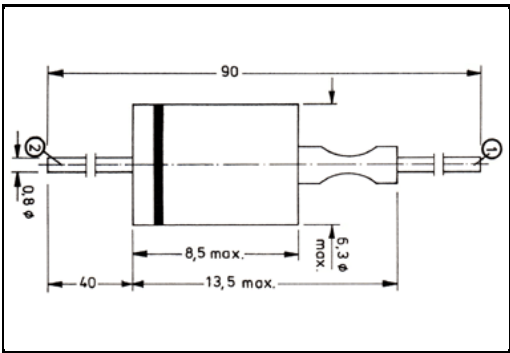
Voltage, Reverse (VZ)	200.0	V	NO.	1N3051B
Voltage, Reverse Peak (VRM)		V	TYPE	1W-ZENER
Current at VR = OV (IO)		A		
Current Average Rectified (IF)	0.2	A		
Current Surge Peak (IZM)	0.005	A	CASE	DO-13
Current, Surge (IFM) at tp =		A		
Max. Power Dissipation (PT) at TC = 25 °C	1.0	W		
Max. Thermal Resistance (Rth J-A)	150.0	°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 = 1.2 mA, tp = 100.0 μs, dc = 0.1 %	190.0	210.0	V
2.	RZ	IZ = 1.2 mA, ΔIZ = 10.0 % IZ, f = 1.0 kHz	-	1.5	kΩ
3.	RZ	IZ = 0.25 mA	-	8.0	kΩ
4.	IR	VR = 152.0 V	-	0.5	μA
5.	VF	IF = 200.0 mA (1)	-	1.5	V
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Notes

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

DIMENSIONS
in mm



Marking

Customer

1N3051B

GENERAL PURPOSE