

Technical Data

DIODE



maximum ratings

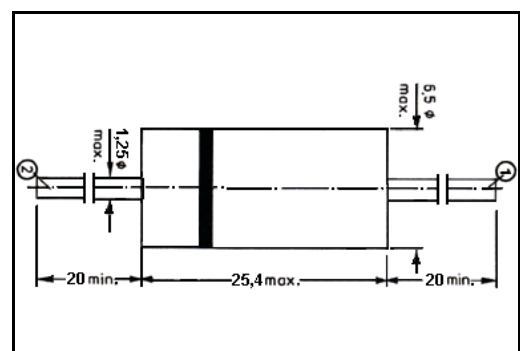
Voltage, Reverse (VR)	12000.0	V	NO.	1N3052
Voltage, Reverse Peak (VRM)	12000.0	V	TYPE	HI - VOLTAGE
Current at VR = 0V (IO)		A		
Current Average Rectified (IF), TC = 100 °C	0.1	A		
Current Surge Peak (IFM)	8.0	A	CASE	CASE-6
Current, surge (IFM) at tp = 8 ms	30.0	A		
Max. Power Dissipation (PT) at TC = °C		W		
Max. Thermal Resistance (Rth J-A)		°C/W		
Max. Junction Temperature (TJ)	125.0	°C		

PERFORMANCE CHARACTERISTICS at $T_c = 25^\circ\text{C}$, unless otherwise noted

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	IR	VR = 12.0 kV	-	10.0	μA
2.	VF	IF = 100.0 mA (1)	-	15.0	V
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4.					
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18.					
19.					
20.					

Notes (1)pulse-tested $t_p \leq 300 \mu\text{s}$, duty cycle $\leq 2\%$

DIMENSIONS
in mm



Marking 1N3052
Customer GENERAL PURPOSE