

Technical Data

DIODE



maximum ratings

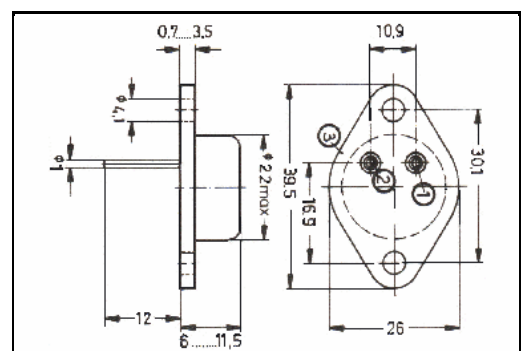
Voltage, Reverse (VZ)	36.0	V	NO.	1N2825RB
Voltage, Reverse Peak (VRM)		V	TYPE	50W-ZENER
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)		A		
Current Surge Peak (IZM)	1.15	A	CASE	TO-3
Current, Surge (IFM) at tp =		A		CATHODE-TO-CASE
Max. Power Dissipation (PT) at TC = 75 °C	50.0	W		
Max. Thermal Resistance (Rth J-C)	2.0	°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.	VF	IF = 10.0 A (1)	-	1.5	V
2.	VZ	IZ = 350.0 mA, tp = 100.0 μs, dc = 0.1 %	34.2	37.8	V
3.	IR	VR = 27.4 V	-	5.0	μA
4.	RZ	IZ = 350.0 mA, Δ IZ = 10.0 % IZ, f = 1.0 kHz	-	3.5	Ω
5.	RZ	IZ = 5.0 mA	-	90.0	Ω
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.	-	1 = ANODE	0.0	0.0	-
19.	-	2 = ANODE	0.0	0.0	-
20.	-	3 = CATHODE	0.0	0.0	-

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

DIMENSIONS
in mm



Marking 1N2825RB
Customer GENERAL PURPOSE