

Technical Data

DIODE

maximum ratings

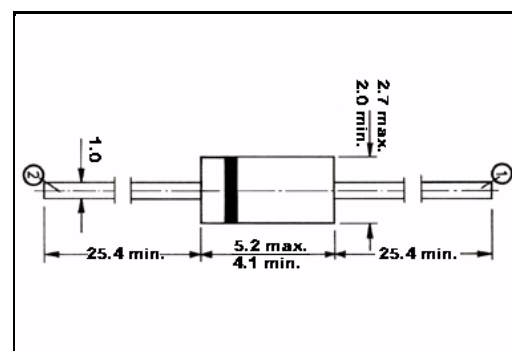
Voltage, Reverse (VR)	40.0	V	NO.	1N5825G
Voltage, Reverse Peak (VRM)	48.0	V	TYPE	SCHOTTKY
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	5.0	A		
Current Surge Peak (IFM)	10.0	A	CASE	DO-41G
Current, Surge (IFM) at tp = 8.3 ms	250.0	A		GLASS
Max. Power Dissipation (PT) at TC = °C		W		
Max. Thermal Resistance (Rth J-A)	25.0	°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.	IR	VR = 40.0 V	10.0	-	mA
2.	IR	VR = 40.0 V, TC = 100 °C	75.0	-	mA
3.	VF	IF = 3.0 A (1)	-	0.44	V
4.	VF	IF = 5.0 A (1)	-	0.52	V
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Notes (1)pulse-tested tp ≤ 300 μs, duty cycle ≤ 2 %

DIMENSIONS
in mm



Marking 1N5825G

Customer GENERAL PURPOSE