

Technical Data

DIODE



maximum ratings

Voltage, Reverse (VZ)	11.0	V	NO.	1N4105-M
Voltage, Reverse Peak (VRM)		V	TYPE	ZENER
Current at VR = OV (IO)		A		
Current Average Rectified (IF)	0.2	A		
Current Surge Peak (IZM)	0.035	A	CASE	DO-35
Current, Surge (IFM) at tp =		A		MIL-S-19500
Max. Power Dissipation (PT) at TC = °C	0.4	W		BURN-IN 48h/125°C
Max. Thermal Resistance (Rth J-A)	300.0	°C/W		
Max. Junction Temperature (TJ)	200.0	°C		

PERFORMANCE CHARACTERISTICS at T _c = 25°C, unless otherwise noted					
NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VZ	IZ = 0.25 mA, tp = 100.0 μs, dc = 0.1%	10.45	11.55	V
2.	RZ	IZ = 0.25 mA, Δ IZ = 10.0 % IZ, f = 1.0 kHz	-	200.0	Ω
3.	IR	VR = 8.44 V	-	0.05	μA
4.	VF	IF = 200.0 mA (1)	-	1.0	V
5.	ND	IZ = 0.25 mA	-	40.0	μV/√HZ
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Notes

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

DIMENSIONS

in mm

Marking

4105-M + GREEN DOT

Customer

GENERAL PURPOSE