

Technical Data

DIODE



maximum ratings

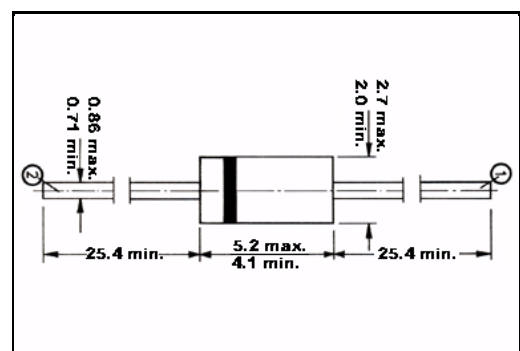
Voltage, Reverse (VZ)	10.0	V	NO.	1N4465-M
Voltage, Reverse Peak (VRM)		V	TYPE	1.5W-ZENER
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)		A		
Current Surge Peak (IZM)	0.15	A	CASE	DO-41
Current, Surge (IFM) at tp =		A		MIL-S-19500
Max. Power Dissipation (PT) at TL = 75.0°C	1.5	W		BURN-IN 48h/125°C
Max. Thermal Resistance (Rth J-A)	67.0	°C/W		
Max. Junction Temperature (TJ)	175.0	°C		

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

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VZ	$I_Z = 25.0 \text{ mA}$, $t_p = 100.0 \mu\text{s}$, $\text{dc} = 0.1 \%$	9.5	10.5	V
2.	RZ	$I_Z = 25.0 \text{ mA}$, $\Delta I_Z = 10.0 \%$, $f = 1.0 \text{ kHz}$	-	5.0	Ω
3.	IR	$V_R = 8.0 \text{ V}$	-	0.3	μA
4.	VF	$I_F = 1.0 \text{ A}$ (1)	-	1.5	V
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20.					

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

DIMENSIONS
in mm



Marking 4465-M + GREEN DOT
Customer GENERAL PURPOSE