

Technical Data

DIODE



maximum ratings

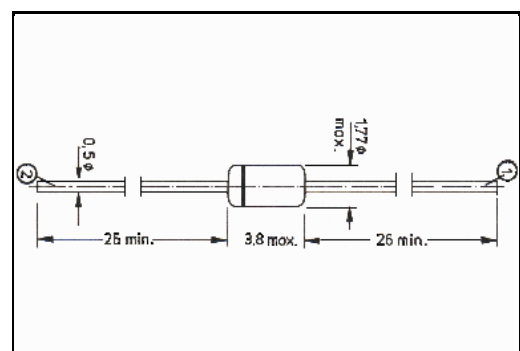
Voltage, Reverse (VR)	16.0	V	NO.	1N5712-M
Voltage, Reverse Peak (VRM)	20.0	V	TYPE	SCHOTTKY
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	0.035	A		
Current Surge Peak (IFM)		A	CASE	DO-35
Current, Surge (IFM) at tp =		A		MIL-S-19500
Max. Power Dissipation (PT) at TA = 25° C	0.25	W		BURN-IN 48h/125°C
Max. Thermal Resistance (Rth J-A)	500.0	°C/W		
Max. Junction Temperature (TJ)	150.0	°C		

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

NO.	SYMBOL	CONDITIONS	MIN.	MAX.	UNITS
1.	VBR	IR = 10.0 μA (1)	20.0	-	V
2.	IR	VR = 16.0 V	-	150.0	nA
3.	VF	IF = 1.0 mA (1)	-	0.41	V
4.	VF	IF = 35.0 mA (1)	-	1.0	V
5.	CT	VR = 0 V, f = 1.0 MHz	-	1.2	pF
6.	TL	IF = 5.0 mA	-	100.0	ps
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17.					
18.					
19.					
20.					

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

DIMENSIONS
in mm



Marking 1N5712-M + GREEN DOT

Customer GENERAL PURPOSE