

Technical Data

DIODE



maximum ratings

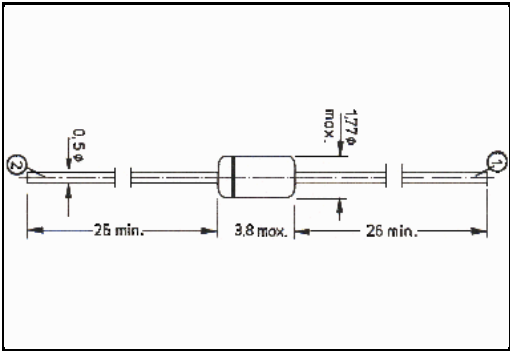
Voltage, Reverse (VR)	16.0	V	NO.	1N5712
Voltage, Reverse Peak (VRM)	20.0	V	TYPE	SCHOTTKY
Current at VR = 0V (IO)		A		
Current Average Rectified (IF)	0.035	A		
Current Surge Peak (IFM)		A	CASE	DO-35
Current, Surge (IFM) at tp =		A		
Max. Power Dissipation (PT) at TA = 25° C	0.25	W		
Max. Thermal Resistance (Rth J-A)	500.0	°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.	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
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

Notes

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

DIMENSIONS
in mm



Marking

Customer

1N5712

GENERAL PURPOSE