

FEATURES

- Available as "HR" (high reliability) screened per MIL-PRF-19500, JANTX level. Add "HR" suffix to base part number.
- Available as non-RoHS (Sn/Pb plating), standard, and as RoHS by adding "-PBF" suffix.

MAXIMUM RATINGS

Parameter	Symbol	Value	Unit
Peak Inverse Voltage	V_{RRM}	70 60	V
Power Dissipation (Infinite Heatsink)	P_{tot}	400 ⁽¹⁾	mW
Maximum Single Cycle Surge 10 μ s Square Wave	I_{FSM}	2.0	A
Thermal Resistance Junction to Ambient Air	$R_{\theta JA}$	0.3 ⁽¹⁾	$^{\circ}C/mW$
Junction Temperature	T_j	125 ⁽¹⁾	$^{\circ}C$
Storage Temperature Range	T_s	-55 to +150 ⁽¹⁾	$^{\circ}C$

Note 1: Valid provided that leads at a distance of 4mm from case are kept at ambient temperature.

ELECTRICAL CHARACTERISTICS ($T_A = 25^{\circ}C$ unless otherwise specified)

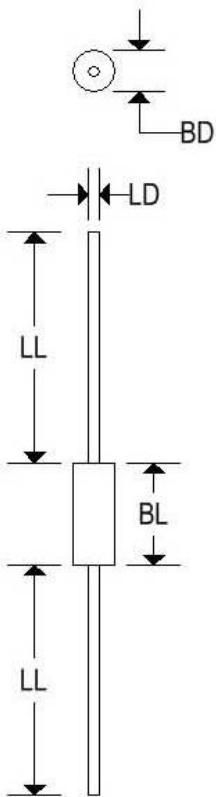
Parameter	Symbol	Test Condition	Min	Typ	Max	Unit
Reverse Breakdown Voltage	$V_{(BR)R}$	$I_R=10\mu A$	70 20 60	- - -	- - -	V
Leakage Current	I_R	$V_R=50V$ $V_R = 16V$	- -	- -	200 150	nA
Forward Voltage Drop	V_F	$I_F=1mA$ $I_F=15mA$ $I_F = 35mA$	- - -	- - -	0.41 1.0 1.0	V
Junction Capacitance	C_{tot}	$V_R=0V, f=1MHz$	- - -	- - -	2.0 2.0 2.2	pF

1N5711, 1N5712 & 1N6263

SCHOTTKY RECTIFIERS

MECHANICAL CHARACTERISTICS

Case:	DO-35
Marking:	Body painted, alpha-numeric
Polarity:	Cathode band

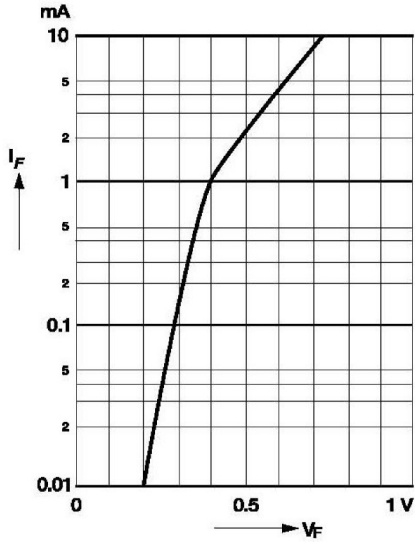


	DO-35			
	Inches		Millimeters	
	Min	Max	Min	Max
BD	0.055	0.090	1.400	2.290
BL	0.120	0.200	3.050	5.080
LD	0.018	0.022	0.460	0.560
LL	1.000	1.500	25.400	38.100

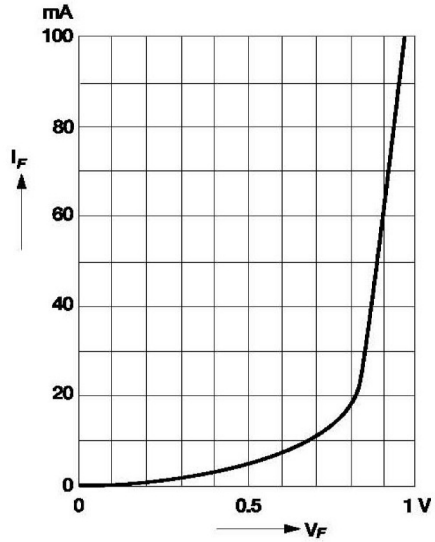
1N5711, 1N5712 & 1N6263

SCHOTTKY RECTIFIERS

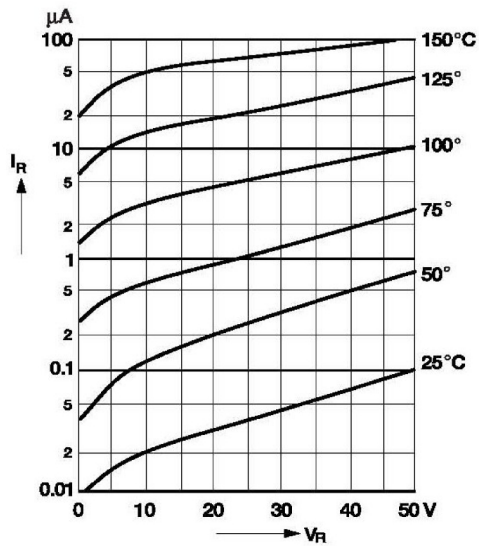
Typical variation of fwd. current vs. fwd. voltage for primary conduction through the Schottky barrier



Typical forward conduction curve of combination Schottky barrier and PN junction guard ring



Typical variation of reverse current at various temperatures



Typical capacitance curve as a function of reverse voltage

