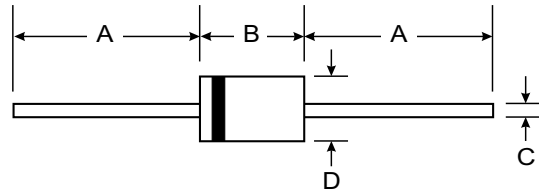


Features

- Ultra-Fast Switching Speed
- High Reverse Breakdown Voltage
- Low Forward Voltage Drop
- Guard Ring Junction Protection



Mechanical Data

- Case: DO-35, Plastic
- Leads: Solderable per MIL-STD-202, Method 208
- Marking: Type Number
- Polarity: Cathode Band
- Weight: 0.13 grams (approx.)

DO-35		
Dim	Min	Max
A	25.40	—
B	—	4.00
C	—	0.60
D	—	2.00
All Dimensions in mm		

Maximum Ratings @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	1N5711	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	70	V
RMS Reverse Voltage	$V_{R(RMS)}$	49	V
Forward Continuous Current (Note 1)	I_{FM}	15	mA
Power Dissipation (Note 1)	P_d	250	mW
Thermal Resistance, Junction to Ambient Air (Note 1)	$R_{\theta JA}$	600	K/W
Operating and Storage Temperature Range	T_J, T_{STG}	-65 to +175	$^\circ\text{C}$

Electrical Characteristics @ $T_A = 25^\circ\text{C}$ unless otherwise specified

Characteristic	Symbol	Min	Max	Unit	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	70	—	V	$I_R = 10\mu\text{A}$
Reverse Leakage Current	I_R	—	200	nA	$V_R = 50\text{V}$
Forward Voltage Drop	V_F	—	0.41 1.00	V	$I_F = 1.0\text{mA}$ $I_F = 15\text{mA}$
Junction Capacitance	C_j	—	2.0	pF	$V_R = 0\text{V}, f = 1.0\text{MHz}$
Reverse Recovery Time	t_{rr}	—	1.0	ns	$I_F = I_R = 5.0\text{mA},$ $I_{rr} = 0.1 \times I_R, R_L = 100\Omega$

Note: 1. Valid provided that leads are kept at ambient temperature.