

Schottky Barrier Diodes

 Lead(Pb)-Free

Features:

- * High Reliability
- * Low Reverse Current and Low Forward Voltage

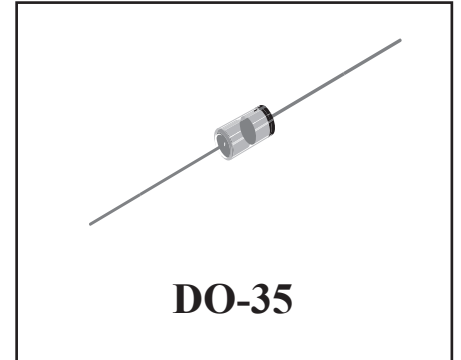
Applications:

- * Low Current Rectification and High Speed Switching

Mechanical Data:

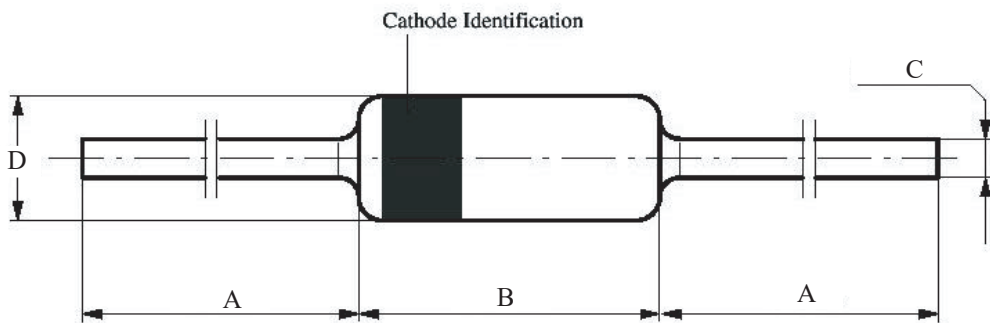
- *Case : DO-35 Glass Case
- *Weight : Approx 0.13 gram

**SMALL SIGNAL
SCHOTTKY DIODES
30m/50m AMPERES
40/45VOLTS**



DO-35 Outline Dimensions

Unit:mm



DIM	A		B		C		D	
	Min	Max	Min	Max	Min	Max	Min	Max
DO-35	26.0	-	-	4.20	-	0.55	-	2.0

Maximum Ratings (T_A=25°C Unless otherwise noted)

Characteristic	Symbol	1N60	1N60P	Unit
Repetitive Peak Reverse Voltage	V _{RRM}	40	45	V
Forward Continuous Current	I _F	30	50	mA
Peak Forward Surge Current (t _p ≤1s)	I _{FSM}	150	500	mA
Thermal Resistance Junction to Ambient ⁽¹⁾	R _{θJA}	250		K/W
Operating Temperature Range	T _J	125		°C
Storage Temperature Range	T _{STG}	-65 to +125		°C

1. On PC board 50mm x 50mm x 1.6mm

Electrical Characteristics (T_A=25°C Unless otherwise noted)

Characteristic	Symbol	Min	Typ	Max	Unit
Forward Voltage I _F =1mA	V _F	-	0.32	0.5	V
1N60			0.24	0.5	
I _F =30mA			0.65	1.0	
1N60P			0.65	1.0	
Reverse Current V _R =15V	I _R	-	0.1	0.5	μA
			0.5	1.0	
Junction Capacitance V _R =1V, f=1MHz	C _J	-	2.0	-	pF
V _R =10V, f=1MHz			6.0		
Reverse Recovery Time I _F =I _R =1mA, I _T =1mA, R _C =100Ω	T _{rr}	-	-	1.0	nS