

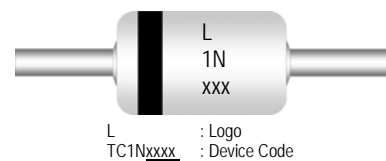
500 mW DO-35 Hermetically Sealed Glass Small Signal Schottky Diodes



Absolute Maximum Ratings $T_A = 25^\circ\text{C}$ unless otherwise noted

Symbol	Parameter	Value		Units
		1N60	1N60P	
V_{RRM}	Peak Reverse Voltage	40	45	V
I_F	Forward Continuous Current	30	50	mA
I_{FSM}	Peak Forward Surge Current (t =1S)	150	500	mA
T_{STG}/T_J	Storage and Junction Temperature Range	-65 to +125		$^\circ\text{C}$

DEVICE MARKING DIAGRAM



These ratings are limiting values above which the serviceability of the diode may be impaired.

Specification Features:

- DO-35 Package (JEDEC)
- Through-Hole Device Type Mounting
- Hermetically Sealed Glass
- Compression Bonded Construction
- All External Surfaces Are Corrosion Resistant And Leads Are Readily Solderable
- RoHS Compliant
- Solder Hot Dip Tin (Sn) Terminal Finish.
- Cathode Indicated By Polarity Band

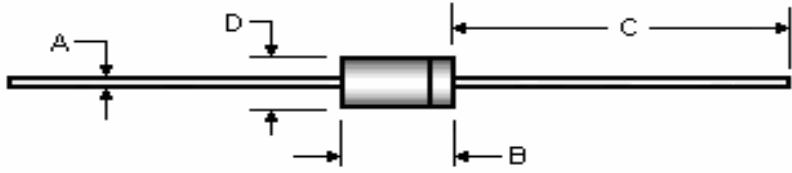


ELECTRICAL SYMBOL

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

Symbol	Parameter	Test Condition	Type	Limits			Unit
				Min	Typ	Max	
V_F	Forward Voltage	$I_F=1\text{mA}$	1N60		0.32	0.5	Volts
			1N60P		0.24	0.5	
		$I_F=30\text{mA}$	1N60		0.65	1.0	Volts
		$I_F=200\text{mA}$	1N60P		0.65	1.0	Volts
I_R	Reverse Leakage Current	$V_R=15\text{V}$	1N60		0.1	0.5	uA
			1N60P		0.5	1.0	
C_J	Junction Capacitance	$V_R=1\text{V}, f=1\text{MHz}$	1N60		2.0		pF
		$V_R=10\text{V}, f=1\text{MHz}$	1N60P		6.0		
T_{RR}	Reverse Recovery Time	$I_F=I_R=1\text{mA}, I_{rr}=1\text{mA}, R_c=100\ \Omega$	1N60 1N60P			1	nS

Package Outline

Package	Case Outline				
DO-35					
	DO-35				
	DIM	Millimeters		Inches	
		Min	Max	Min	Max
	A	0.46	0.55	0.018	0.022
	B	3.05	5.08	0.120	0.200
C	25.40	38.10	1.000	1.500	
D	1.53	2.28	0.060	0.090	


Notes:

1. All dimensions are within JEDEC standard.
2. DO35 polarity denoted by cathode band.

This datasheet presents technical data of Tak Cheong's Schottky Diodes. Complete specifications for the individual devices are provided in the form of datasheets. A comprehensive Selector Guide is included to simplify the task of choosing the best set of components required for a specific application. For additional information, please visit our website <http://www.takcheong.com>.

Although information in this datasheet has been carefully checked, no responsibility for the inaccuracies can be assumed by Tak Cheong. Please consult your nearest Tak Cheong's sales office for further assistance.

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