



Micro Commercial Components



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**1N60**  
**1N60P**

## Features

- High Reliability
- Low Reverse Current and Low Forward Voltage
- Marking : Cathode band and type number
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Moisture Sensitivity Level 1

## Maximum Ratings

- Storage & Operating Junction Temperature: -65°C to +125°C

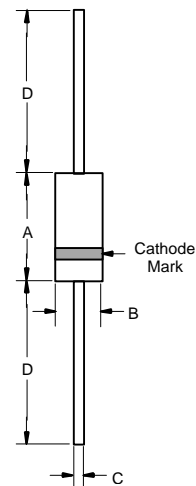
## Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Symbol	Type	Value	Test Condition
Repetitive Peak Reverse Voltage	$V_{RRM}$	1N60	40V	
		1N60P	45V	
Average Forward Current	$I_{F(AV)}$	1N60	30mA	$T_a = 25^\circ\text{C}$
		1N60P	50mA	$T_a = 25^\circ\text{C}$
Peak Forward Surge Current	$I_{FSM}$	1N60	150mA	$t_p \leq 1\text{s}$
		1N60P	500mA	$t_p \leq 1\text{s}$
Junction Ambient	$R_{thJA}$		250K/W	On PC board 50mm × 50mm × 1.6mm

Note: 1. Lead in Glass Exemption Applied, see EU Directive Annex 5.

## Schottky Barrier Rectifier

DO-35



DIMENSIONS

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	---	.166	---	4.2	
B	---	.079	---	2.00	
C	---	.020	---	.52	
D	1.000	---	25.40	---	

# 1N60, 1N60P

## Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Test Conditions	Type	Symbol	Min	Typ	Max	Unit
Forward voltage	$I_F=1\text{mA}$	1N60	$V_F$	---	0.32	0.5	V
		1N60P	$V_F$	---	0.24	0.5	V
	$I_F=30\text{mA}$	1N60	$V_F$	---	0.65	1.0	V
		1N60P	$V_F$	---	0.65	1.0	V
Reverse current	$V_R=15\text{V}$	1N60	$I_R$	---	0.1	0.5	$\mu\text{A}$
		1N60P	$I_R$	---	0.5	1.0	$\mu\text{A}$
Junction capacitance	$V_R=1\text{V}, f=1\text{MHz}$	1N60	$C_J$	---	2.0	---	pF
	$V_R=10\text{V}, f=1\text{MHz}$	1N60P	$C_J$	---	6.0	---	pF
Reverse recovery time	$I_F=I_R=1\text{mA}, I_{rr}=1\text{mA}$ $R_C=100\Omega$		$t_{rr}$	---	---	1.0	ns



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### Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel
Part Number-AP	Ammo Packing: 5Kpcs/AmmoBox
Part Number-BP	Bulk: 100Kpcs/Carton

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