Micro Commercial Components

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20736 Marilla Street Chatsworth
CA 91311
Phone: (818) 701-4933
Fax: (818) 701-4939

1N60
1N60P

Schottky Barrier Rectifier

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

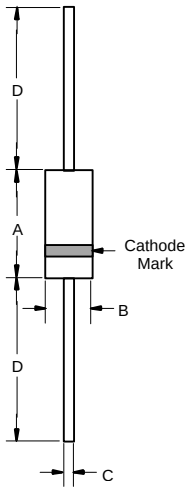
- Storage &Operating JunctionTemperature: -65℃ to +125℃

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℃
		1N60P	50mA	T_a = 25℃
Peak Forward Surge Current	I_{FSM}	1N60	150mA	t_p≦1s
		1N60P	500mA	t_p≦1s
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.

DO-35



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

Electrical Characteristics @ 25°C Unless Otherwise Specified

Parameter	Test Conditions	Type	Symbol	Min	Typ	Max	Unit
Forward voltage	I_F=1mA	1N60	V_F	---	0.32	0.5	V
		1N60P	V_F	---	0.24	0.5	V
	I_F=30mA	1N60	V_F	---	0.65	1.0	V
	I_F=200mA	1N60P	V_F	---	0.65	1.0	V
Reverse current	V_R=15V	1N60	I_R	---	0.1	0.5	μA
		1N60P	I_R	---	0.5	1.0	μA
Junction capacitance	V_R=1V, f=1MHz	1N60	C_J	---	2.0	---	pF
	V_R=10V, f=1MHz	1N60P	C_J	---	6.0	---	pF
Reverse recovery time	I_F=I_R=1mA, I_{rr}=1mA R_C=100Ω		t_{rr}	---	---	1.0	ns

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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