

Micro Commercial Components

Features

 Lead Free Finish/RoHS Compliant ("P" Suffix designates RoHS Compliant. See ordering information)

Micro Commercial Components

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CA 91311

Fax:

- Fast Switching Speed
- Ultra Small Surface Mount Package
- For General Purpose Switching Applications
- High Conductance
- Halogen free available upon request by adding suffix "-HF"

Mechanical Data

- Case: SOD-323, Molded Plastic
- Polarity: Indicated by Cathode Band
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Marking : T5

Maximum Ratings @ 25°C Unless Otherwise Specified

Characteristic	Symbol	Value	Unit
Non-Repetitive Peak Reverse Volt.	Vrm	100	V
Peak Repetitive Reverse Voltage	V _{RRM}		
Working Peak Reverse Voltage	V _{RWM}	75	V
DC Blocking Voltage	V _R		
RMS Reverse Voltage	V _{R(RMS)}	53	V
Forward Continuous Current(Note1)	I _{FM}	500	mA
Average Rectified Output Current	lo	250	mA
Non-Repetitive Peak @ t=1.0us Forward Surge Current @ t=1.0s	Ігѕм	4 2	A A
Power Dissipation(Note 1)	Pd	200	mW
Thermal Resistance(Note 1)	R _{θJA}	625	K/W
Operation/Storage Temp. Range	Tj, Tsтg	-65 to +150	°C

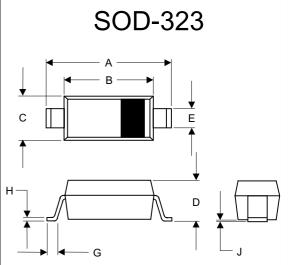
Electrical Characteristics @ 25°C Unless Otherwise Specified

Charateristic	Symbol	Max	Unit	Test Cond.	
		0.720		I _F =5.0mA	
Maximum Forward	Vfm	0.855	V	I⊧=10mA	
Voltage Drop		1		I⊧=100mA	
		1.25		I⊧=150mA	
		2.5	μA	V _R =75V	
Maximum Peak	lrм	50	μA	V _R =75V Tj=150 [°] C	
Reverse Current		30	μA	V _R =25V Tj=150 [°] C	
		25	nA	V _R =20V	
Junction Capacitance	Cj	4	pF	V _R =0V, f=1.0MHz	
Reverse Recovery Time	trr	4	ns	I⊧=I₨=10mA, Irr=0.1I₨, ₨L=100 OHM	

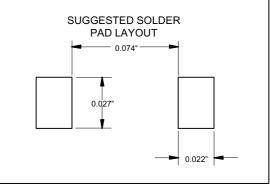
Notes: 1. Valid provided that terminals are kept at ambient temperature

1N4448WX

High Speed Switching Diode 200mW



	DIMENSIONS				
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
Α	.090	.107	2.30	2.70	
В	.063	.071	1.60	1.80	
С	.045	.053	1.15	1.35	
D	.031	.045	0.80	1.15	
Е	.010	.016	0.25	0.40	
G	.004	.018	0.10	0.45	
Н	.004	.010	0.10	0.25	
J		.006		0.15	

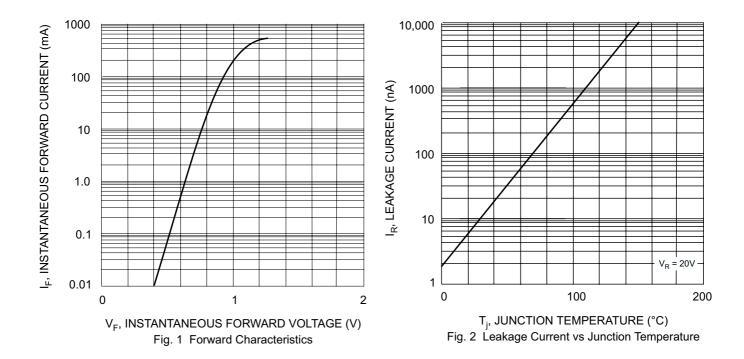


www.mccsemi.com

2013/01/01

1N4448WX





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Revision: B Downloaded from Arrow.com. 2013/01/01



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 3Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

*****IMPORTANT NOTICE*****

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CUSTOMER AWARENESS

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