

Micro Commercial Components



Micro Commercial Components 20736 Marilla Chatsworth CA 91311 Phone: (818) 701-4933 (818) 701-4939 Fax:

- Features
 Lead Free Finish/Rohs Compliant (Note1) ("P"Suffix designates Compliant. See ordering information) Low Current Leakage
- Metalurgically Bonded Construction
- Low Cost
- Marking : Cathode band and type number
- Moisture Sensitivity Level 1

Maximum Ratings

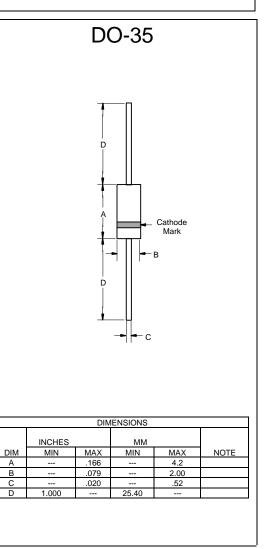
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 35 °C/W Junction To Ambient

ectrical characteristics @ 25°C unless otherwise Specified				
Reverse Voltage	V _R	75V		
Peak Reverse	V _{RM}	100V		
Voltage				
Average Rectified	Ιo	150mA	Resistive Load	
Current			f >= 50Hz	
Power Dissipation	P _{TOT}	500mW		
Junction	T_{J}	150°C		
Temperature				
Peak Forward Surge	I _{FSM}	500mA	t<1s	
Current				
Instantaneous	V _F	1.0V(MAX)	I _{FM} = 100mA;	
Forward Voltage	۷F	0.62-0.72V	$I_{FM} = 5.0 \text{mA}$	
Torward Voltage		0.02-0.720		
Maximum DC			V _R =20Volts	
Reverse Current At	I _R	25nA	$T_J = 25^{\circ}C$	
Rated DC Blocking		50μΑ	T _J = 150°C	
Voltage		5uA	V _R =75Volts	
Typical Junction	CJ	4pF	Measured at	
Capacitance			1.0MHz, V _R =4.0V	
Reverse Recovery	T _{rr}	4nS	I _F =10mA	
Time			$V_R = 6V$	
			$R_L=100\Omega$	

Electrical Characteristics @ 2PC Unless Otherwise Specified

1N4448

500mW 100Volt **Switching Diode**

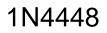


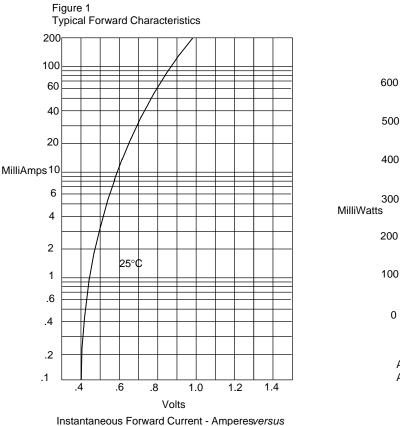
*Pulse test: Pulse width 300 µsec, Duty cycle 2%

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

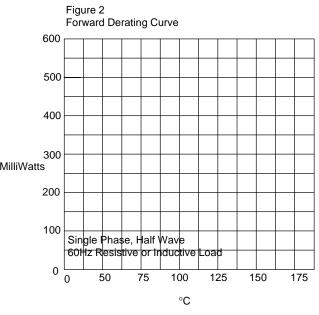
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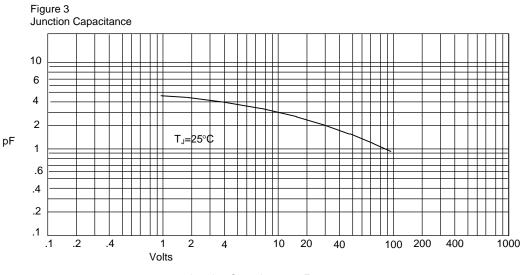


Instantaneous Forward Voltage - Volts



 $\cdot M \cdot C \cdot C \cdot$

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Junction Capacitance - pFversus Reverse Voltage - Volts

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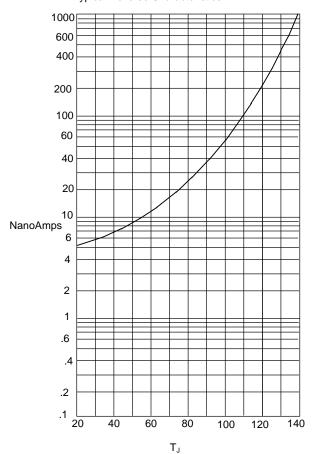
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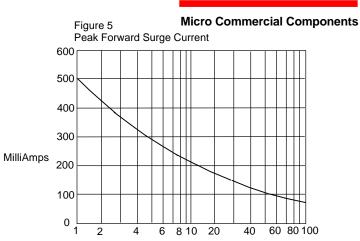
Admissable Power Dissipation - MilliWattsversus Ambient Temperature $\,{}^\circ\mathrm{C}$





Figure 4 Typical Reverse Characteristics





Cycles

Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles

Instantaneous Reverse Leakage Current - NanoAmperesersus Junction Temperature -°C

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Ordering Information :

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

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