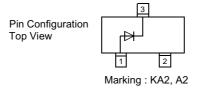


Micro Commercial Components

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

Features

- Low Current Leakage
- Low Cost
- Case Material:Molded Plastic. UL Flammability Classificatio Rating 94-0 and MSL Rating 1



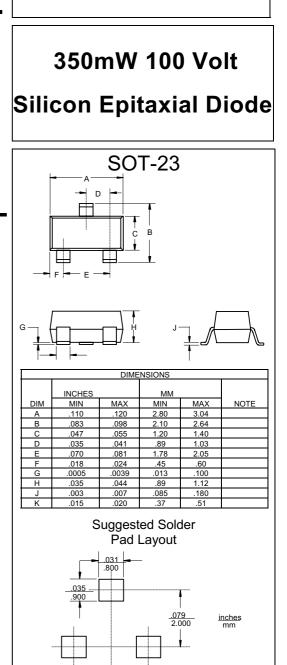
Maximum Ratings

- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 357K/W Junction To Ambient

Electrical Characteristics @ 25°C Unless Otherwise Specified

Reverse Voltage	V _R	75V	
Peak Reverse	V _{RM}	100V	
Voltage			
Average Rectified	lo	150mA	Resistive Load
Current			f > 50Hz
Power Dissipation	P _{TOT}	350mW	
Junction	TJ	150°C	
Temperature			
Peak Forward Surge	I _{FSM}	1A	t=1s,Non-Repetitive
Current			
Maximum			
Instantaneous	V _F	.855V	I _{FM} = 10mA;
Forward Voltage			T _J = 25°C*
Maximum DC			
Reverse Current At	I _R	25nA	T _J = 25°C
Rated DC Blocking			V _R = 20 V
Voltage			
Typical Junction	CJ	2pF	Measured at
Capacitance			1.0MHz, V _R =0V
Reverse Recovery	T _{rr}	4nS	I _F =10mA
Time			V _R = 6V
			R _L =100Ω
*Dulas test Dulas width	000 D		0/

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



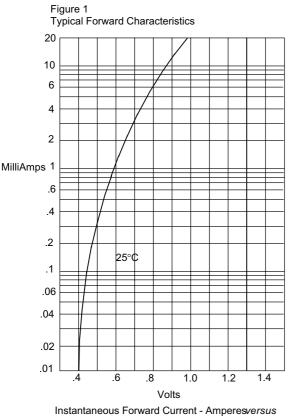
.950

<u>.037</u> .950

MMBD4148

2008/01/01

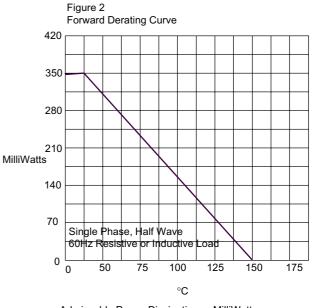
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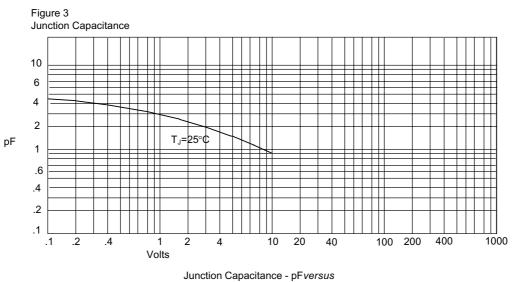
Instantaneous Forward Voltage - Volts



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Admissable Power Dissipation - MilliWattsversus Ambient Temperature -°C

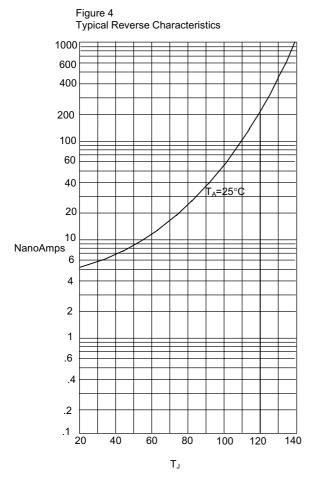


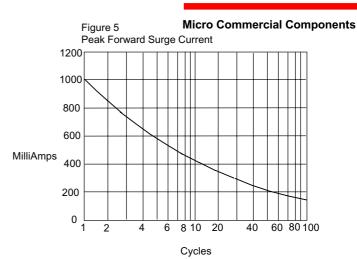
Reverse Voltage - Volts

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•*M*•*C*•*C*•





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

Instantaneous Reverse Leakage Current - NanoAmperesersus Junction Temperature - $^\circ\text{C}$





Ordering Information

Device	Packing	
(Part Number)-TP	Tape&Reel3Kpcs/Reel	

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