



Micro Commercial Components

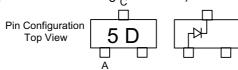
Micro Commercial Components 20736 Marilla Street Chatsworth CA 91311

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MMBD914

Features

- Low Current Leakage
- Halogen free available upon request by adding suffix "-HF"
- Small Outline Surface Mount Package
- Lead Free Finish/Rohs Compliant ("P"Suffix designates RoHS Compliant. See ordering information)



Maximum Ratings

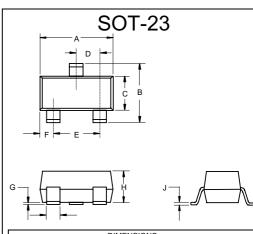
- Operating Temperature: -55°C to +150°C
- Storage Temperature: -55°C to +150°C
- Maximum Thermal Resistance; 357K/W Junction To Ambient
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Electrical 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}	350mW	
Junction	T_J	175°C	
Temperature			
Peak Forward Surge	I_{FSM}	1.0A	t=1s,Non-Repetitive
Current			
Maximum			
Instantaneous	V_{F}	.855V	$I_{FM} = 10mA;$
Forward Voltage			$T_J = 25^{\circ}C^*$
Maximum DC			
Reverse Current At	I_{R}	25nA	$T_J = 25^{\circ}C$
Rated DC Blocking			V _R =20Volts
Voltage			
Typical Junction	C_{J}	2pF	Measured at
Capacitance			1.0MHz, V _R =0V
Reverse Recovery	T_{rr}	4nS	I _F =10mA
Time			$V_R = 6V$
			R_L =100 Ω

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

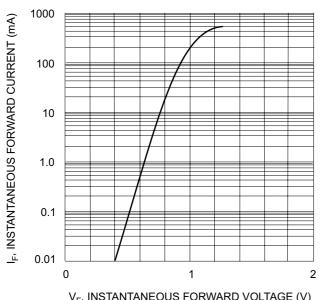
350mW 100 Volt Silicon Epitaxial Diode

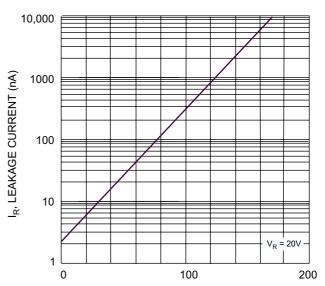


DIMENSIONS						
	INCHES		MM			
DIM	MIN	MAX	MIN	MAX	NOTE	
Α	.110	.120	2.80	3.04		
В	.083	.104	2.10	2.64		
C	.047	.055	1.20	1.40		
D	.035	.041	.89	1.03		
Е	.070	.081	1.78	2.05		
F	.018	.024	.45	.60		
G	.0005	.0039	.013	.100		
Η	.035	.044	.89	1.12		
J	.003	.007	.085	.180		
K	.015	.020	.37	.51		

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V_F, INSTANTANEOUS FORWARD VOLTAGE (V) Fig. 1 Forward Characteristics

T_j, JUNCTION TEMPERATURE (°C) Fig. 2 Leakage Current vs Junction Temperature



Ordering Information:

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

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

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