

Features

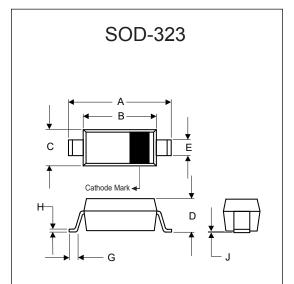
- General Purpose, Medium Current
- Ideally Suited for Automated Assembly Processes
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- · Moisture Sensitivity Level 1
- Epoxy Meets UL 94 V-0 Flammability Rating
- Lead Free Finish/RoHS Compliant t ("P" Suffix Designates RoHS Compliant. See Ordering Information)

500 mW Zener Diodes 5.1 Volts

Maximum Ratings

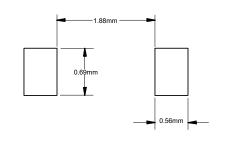
- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance :250°C/W Junction to Ambient

Parameter	Symbol	Rating	Conditions		
Power Dissipation	P_D	500mW			
Maximum Forward Voltage	V _F	0.9V	I _F =10mA		



DIMENSIONS						
DIM	INC	HES	M	M	NOTE	
DIIVI	MIN	MAX	MIN	MAX	NOTE	
Α	0.090	0.107	2.30	2.70		
В	0.063	0.071	1.60	1.80		
С	0.045	0.053	1.15	1.35		
D	0.031	0.045	0.80	1.15		
E	0.010	0.016	0.25	0.40		
G	0.004	0.018	0.10	0.45		
Н	0.004	0.010	0.10	0.25		
J		0.006		0.15		

Suggested Solder Pad Layout



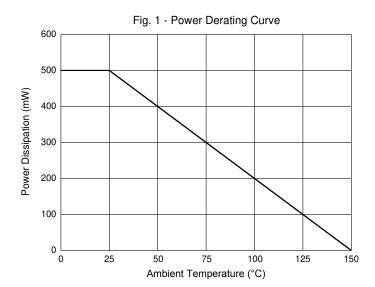


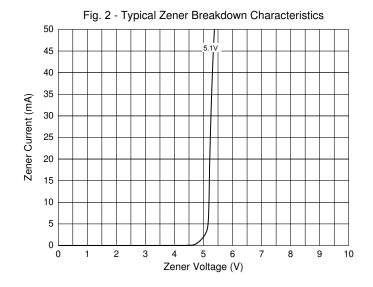
Electrical Characteristics @ 25°C Unless Otherwise Specified

MCC Part Number		Zener Voltage		Maximum Zener Impedance		Maximum Zener Impedance		Maximum Reverse Current				Marking Code	
			$V_Z @ I_{ZT}$		I _{ZT}	Z _{ZT}	I _{ZK}	Z _{ZK}	I _R	V_R	I _R	V_R	
		Min.(V)	Nom(V)	Max.(V)	mA	Ω	mA	Ω	μA	V	μA	V	
MMXZ523	B1BS	4.8	5.1	5.4	20.0	17	0.25	1600	5.0	2.0	50.0	4.2	AE1



Curve Characteristics







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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