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SOD-123

Zener Diode in a SOD-123 Plastic Package.

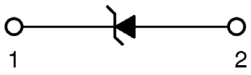
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Wide zener reverse voltage range 2.4V-110V,Maximum P_D to 500mW. HF Product.

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Design for 500mW SOD-123 surface mount.

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PIN1:Cathode PIN2:Anode

Z Ü B , M V

See Electrical Characteristics.

Parameter	Symbol	Rating	Unit
Forward Voltage / P U F (IF=10mA)	V_F	0.9	V
Power Dissipation / P U F	P_D	500	mW
Thermal Resistance Junction to Ambient Air / P U F	R_{JA}	350	/W
Operating and Storage Temperature Range	T_j, T_{stg}	-65 150	

Device	Device Marking	Zener Voltage / P U F				Max. Zener Impedance / P U F			Max Reverse Leakage Current / P U F	
		V_z(V)			@ I_{zT}	Z_{Zt} @ I_{zT}	Z_{zk} @ I_{zk}		I_R @ V_R	
		Min	Nom	Max	mA			mA	uA	V
MMSZ5221B	HC1	2.28	2.4	2.52	20	30	1200	0.25	100	1
MMSZ5222B	HC2	2.38	2.5	2.63	20	30	1250	0.25	100	1

Device	Device Marking	Zener Voltage / P U F				Max. Zener Impedance / P U F			Max Reverse Leakage Current / P U F	
		V_z(V)			@ I_{zT}	Z_{Zt} @ I_{zT}	Z_{zk} @ I_{zk}		I_R @ V_R	
		Min	Nom	Max	mA			mA	uA	V
MMSZ5253B	HK3	23.75	25	26.25	5.0	35	600	0.25	0.1	19
MMSZ5254B	HK4	25.65	27	28.35	4.6	41	600	0.25	0.1	21
MMSZ5255B	HK5	26.60	28	29.40	4.5	44	600	0.25	0.1	21
MMSZ5256B	HM1	28.50	30	31.50	4.2	49	600	0.25	0.1	23
MMSZ5257B	HM2	31.35	33	34.65	3.8	58	700	0.25	0.1	25
MMSZ5258B	HM3	34.20	36	37.80	3.4	70	700	0.25	0.1	27

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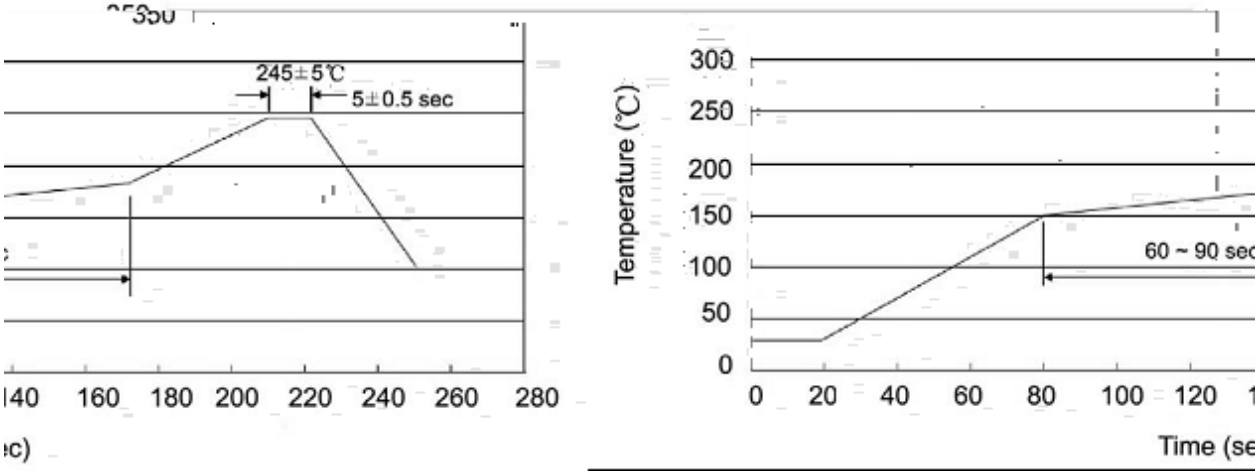




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Note:

1 150 180 60 90sec;

1.Preheating:150~180 , Time:60~90sec.

2 245 5 5 0.5sec;

2.Peak Temp.:245 5 , Duration:5 0.5sec.

3 2 10 /sec.

3. Cooling Speed: 2~10 /sec.

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260 5 10 1 sec.

Temp.:260 5 Time:10 1 sec

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/ REEL

Package Type ß m ù ´	Units g m ô h					Dimension g m d Ê (unit ! mm³)		
	Units/Reel /	Reels/Inner Box	Units/Inner Box / ç	Inner Boxes/Outer Box ç / ±	Units/Outer Box / ±	Reel	Inner Box ç	Outer Box ±
SOD-123	3,000	10	30,000	6	180,000	7 s ×8	180×120×180	390×385×205

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