

MMSZ52XXBS

Rev. I Jul.-2018

/ Descriptions

SOD-323

Zener Diode in a SOD-323 Plastic Package.

/ Features

Wide zener reverse voltage range 2.4V-110V,Maximum P_D to 200mW. HF Product.

/ Applications

Design for 200mW SOD-323 surface mount.

/ Equivalent Circuit



/ Pinning



PIN1:Cathode

PIN2:Anode

/ h_{FE} Classifications & Marking

See Electrical Characteristics.

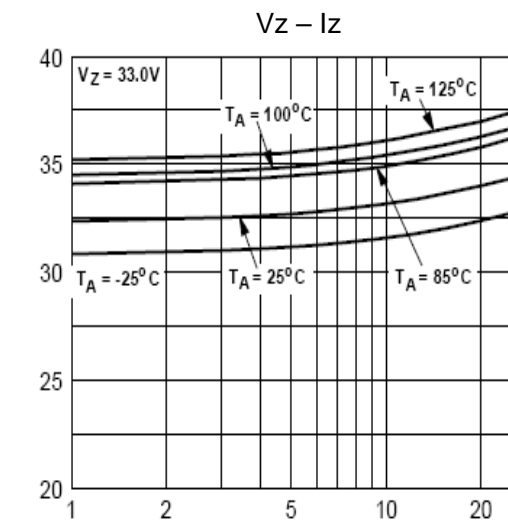
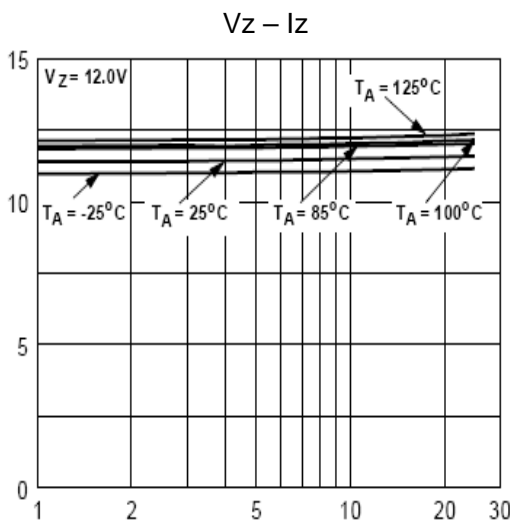
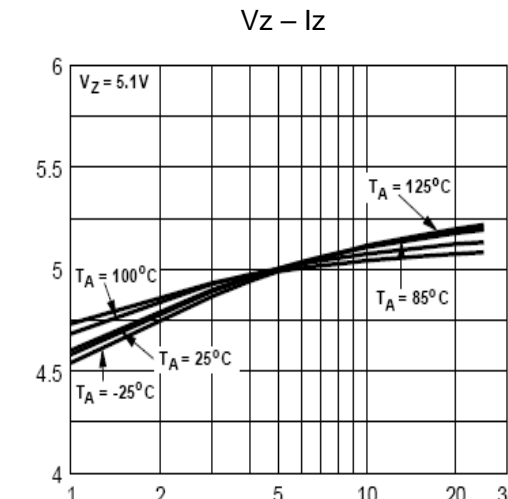
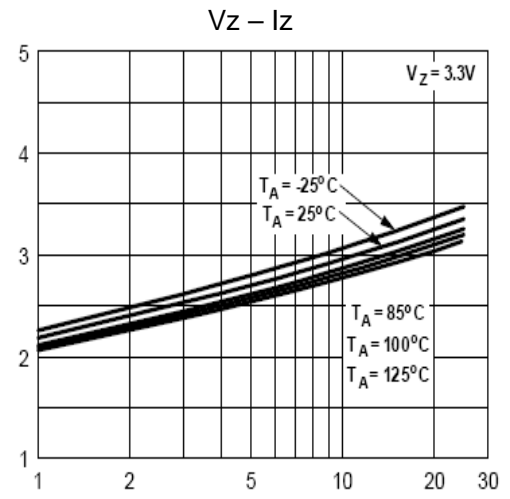
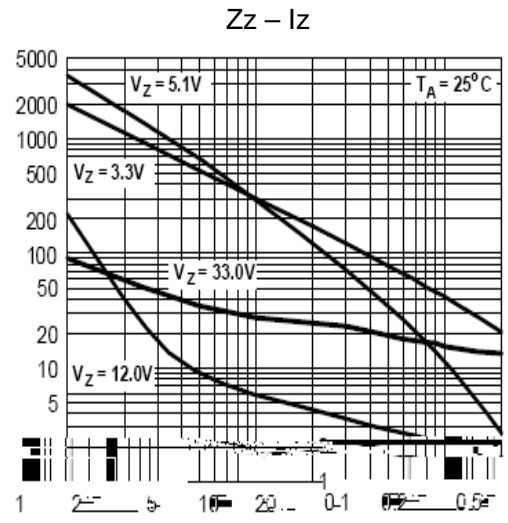
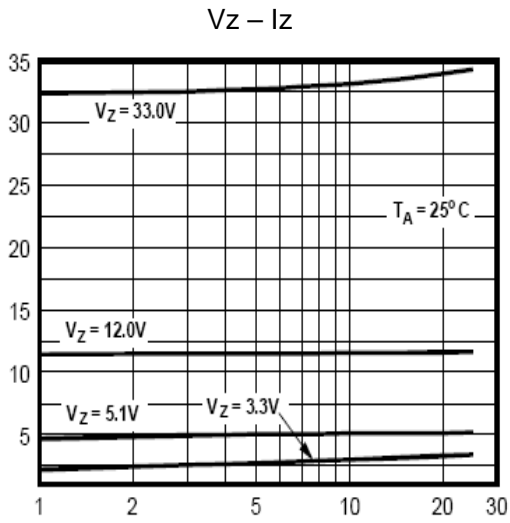
Parameter	Symbol	Rating	Unit
Power Dissipation	P_D	200	mW
Typical Thermal Resistance Junction to Ambient	R_{JA}	625	/W
Typical Thermal Resistance Junction to Lead	R_{JL}	150	/W
Junction and Storage Temperature Range	T_j, T_{stg}	-55 150	

Device	Device Marking	Zener Voltage				Zener Impedance			Leakage Current	
		V_z (Volts)			@ I_{zT}	Z_{zT} @ I_{zT}	$Z_{zk}@I_{zk}$		$I_R@V_R$	
		Min	Nom	Max	mA		mA	uA	Volts	
MMSZ5221BS	HC1	2.28	2.4	2.52	20	30	1200	0.25	100	1
MMSZ5222BS	HC2	2.38	2.5	2.63	20	30	1250	0.25	100	1
MMSZ5223BS	HC3	2.57	2.7	2.84	20	30	1300	0.25	75	1
MMSZ5224BS	HC4	2.66	2.8	2.94	20	30	1400	0.25	75	1
MMSZ5225BS	HC5	2.85	3.0	3.15	20	29	1600	0.25	50	1
MMSZ5226BS	HD1	3.13	3.3	3.47	20	28	1600	0.25	25	1
					20	24	1700	0.25	15	1
MMSZ5228BS	HD3	3.71	3.9	4.10	20	23	1900	0.25	10	1
MMSZ5229BS	HD4	4.09	4.3	4.52	20	22	2000	0.25	5	1
MMSZ5230BS	HD5	4.47	4.7	4.94	20	19	1900	0.25	5	2

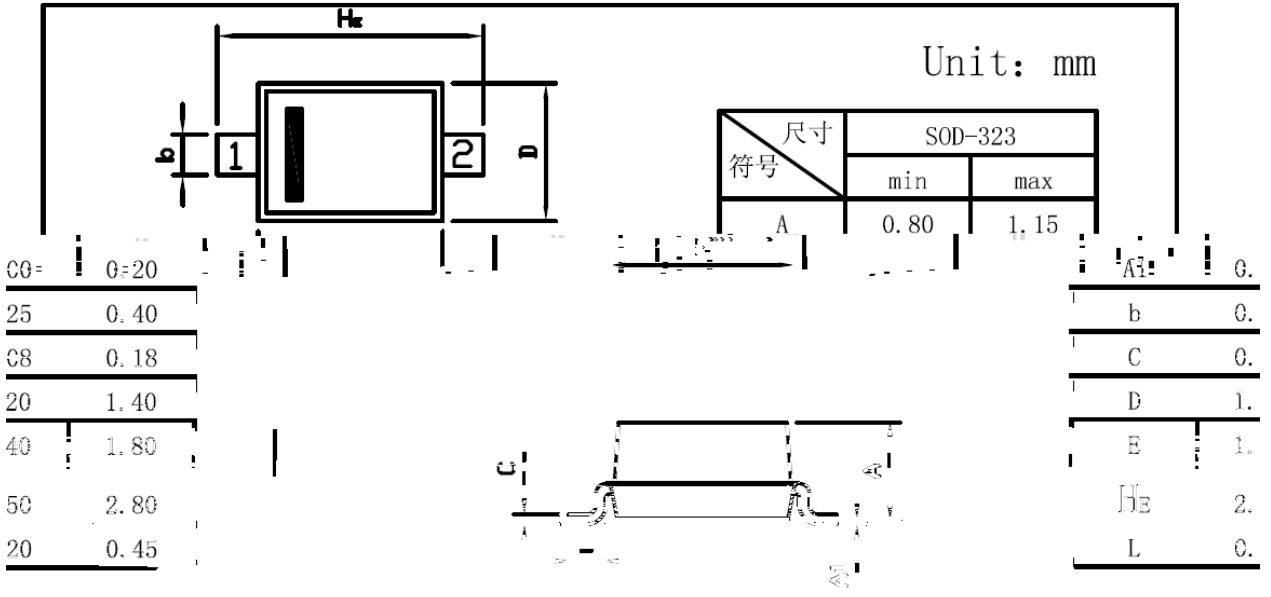
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Device	Device Marking
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/ Electrical Characteristic Curve

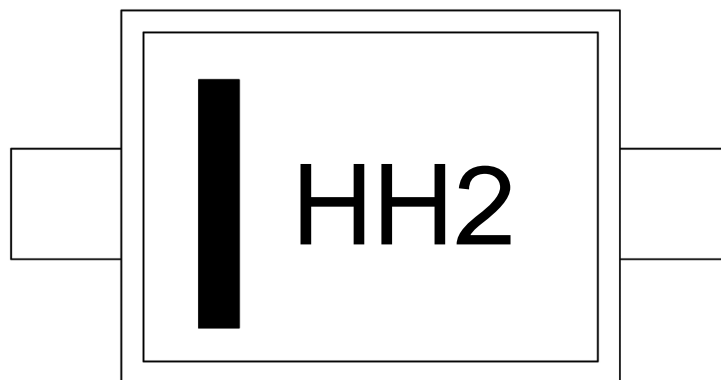


/ Package Dimensions



PIN: 1.CAT 2.AN
SOD-323

/ Marking Instructions

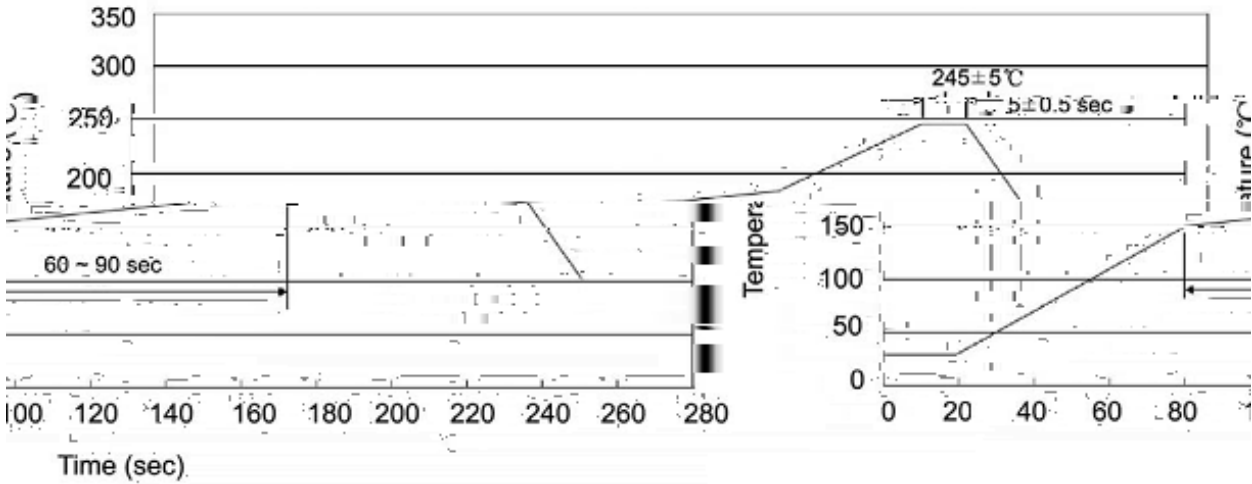


Note:

H: Company Code.

H2: Product Type.

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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. |

/ Resistance to Soldering Heat Test Conditions

260 5 10 1 sec. Temp.:260 5 Time:10 1 sec

/ Packaging SPEC.

/ REEL

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm ³)		
	Units/Reel 只/卷盘	Reels/Inner Box 卷盘/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Reel	Inner Box 盒	Outer Box 箱
SOD-323	3,000	10	30,000	6	180,000	7 ×8	180×120×180	390×385×205

/ Notices