

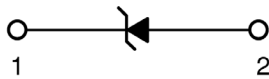
/ Descriptions

SOD-323

Zener Diode in a SOD-323 Plastic Package.

/ FeaturesWide 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

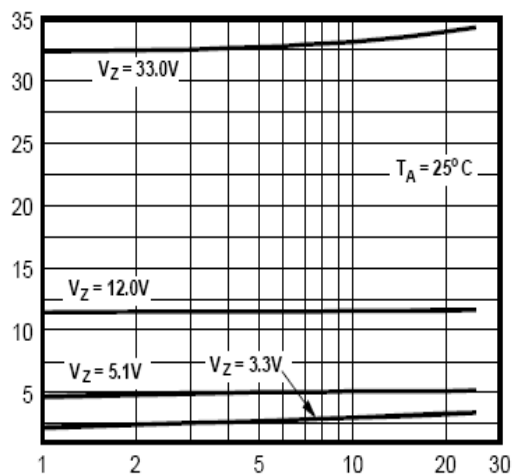
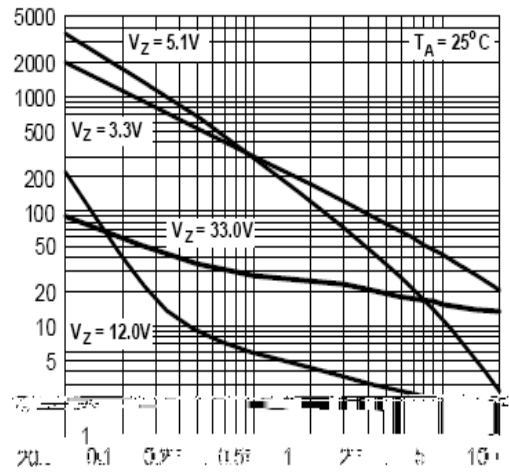
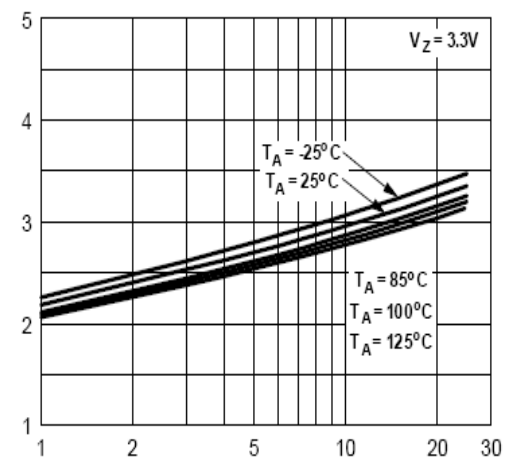
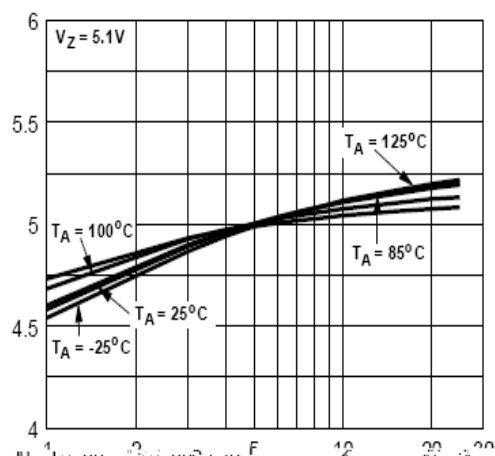
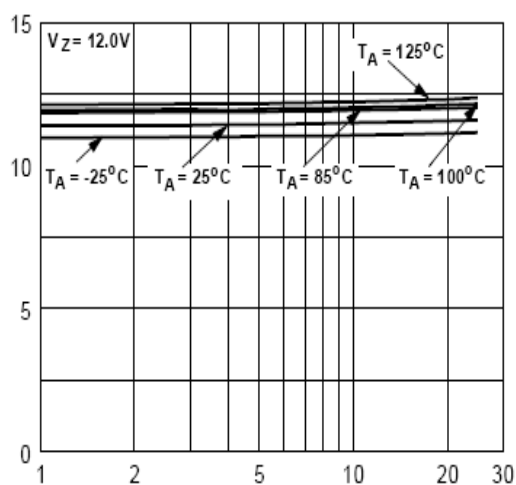
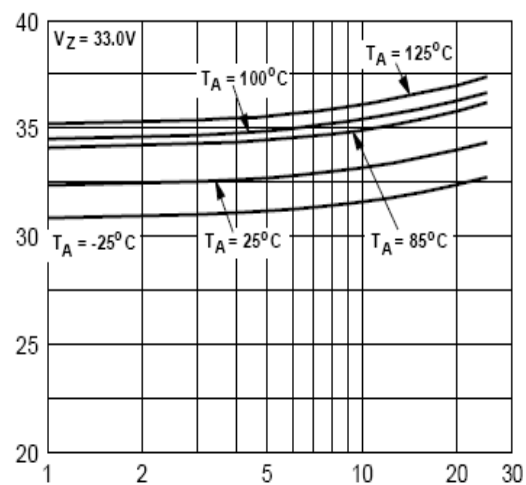
See Electrical Characteristics.

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

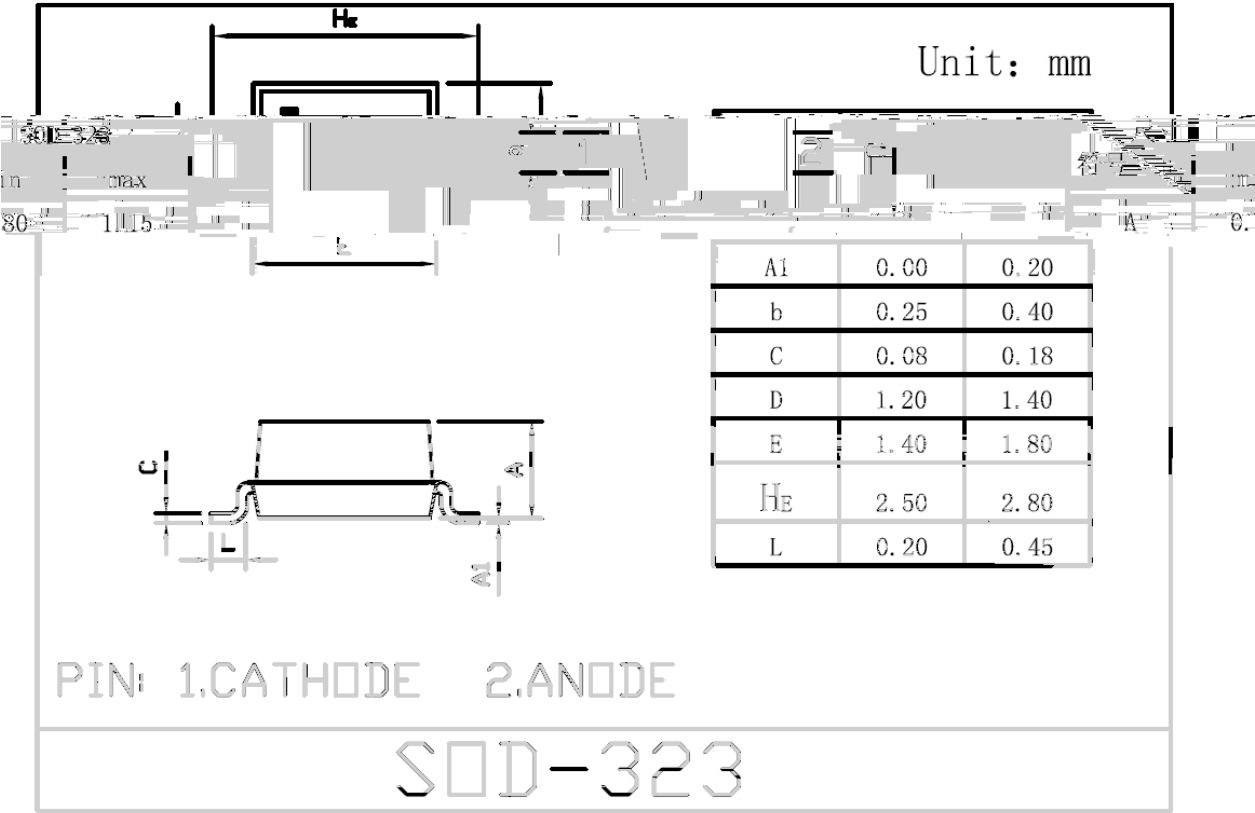
Device	Device Marking	Zener Voltage				Zener Impedance			Leakage Current	
		V_Z (Volts)			@ I_{ZT}	Z_{ZT} @ I_{ZT}	$Z_{zk}@I_{zk}$		$I_R@V_R$	
		Min	Nom	Max	mA	Ω	Ω	mA	μA	Volts
MMSZ5221BS	HC1	2.28	2.4	2.52	20	30	1200	0.25	100	1
MMSZ5222BS	HC2	2.38	2.5	2.63	20	30	1250	0.25	100	1
MMSZ5223BS	HC3	2.57	2.7	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
MMSZ5227BS	HD2	3.42	3.6	3.78	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

Device	Device Marking
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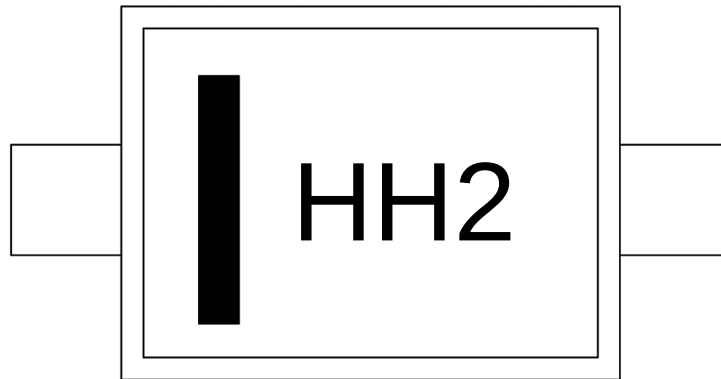
/ Electrical Characteristic Curve

 $V_Z - I_Z$  $Z_Z - I_Z$  $V_Z - I_Z$  $V_Z - I_Z$  $V_Z - I_Z$  $V_Z - I_Z$ 

/ Package Dimensions



/ Marking Instructions

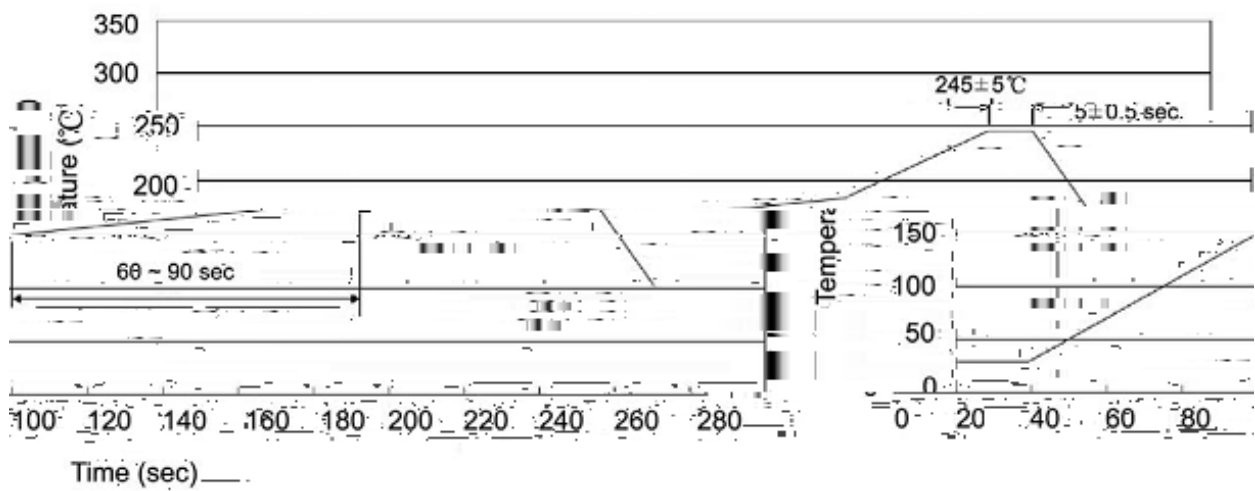


Note:

H: Company Code.

H2: Product Type.

() / Temperature Profile for IR Reflow Soldering(Pb-Free)



Note:

- 1

150 180

60 90sec;
- 2

245 5

5 0.5sec;
- 3

2 10

/sec.
- 1.Preheating:150~180

, Time:60~90sec.
- 2.Peak Temp.:245 5

, Duration:5 0.5sec.
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