ESDB6.8SM9

Bi-Directional TVS

RoHS COMPLIANT

- ◇ Low Clamping Voltage of Transient Voltage Suppressor
- ◇ ESD Protection, IEC61000-4-2 Level 4
- ◇ **SOD923** Micro SMD package (Fig-1)
  Dimensions: 1.0 mm x 0.6 mm (0.039" x 0.024")
- ◇ RoHS compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead finish (Pb-Free)
- ◇ Moisture Level Sensitivity 1
- ◇ Device marking (Fig-1)

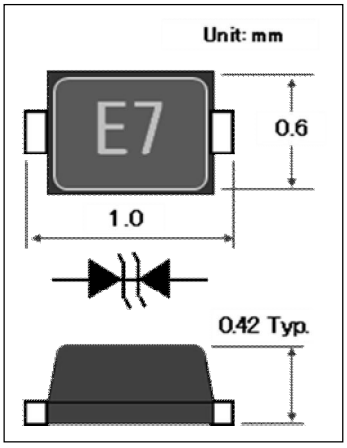


Fig -1 Package **SOD923**

Absolute Maximum Ratings (Ta = 25 ℃)

Symbol	Parameter	Value	Units
P_{DK*1}	Peak Power Dissipation	23	W
I_{PP*1}	Maximum Reverse Peak Pulse Current	1.5	A
V_{C*1}	Maximum Peak Pulse Voltage	15	V
$V_{ESD-Air}$	ESD Voltage IEC61000-4-2 Air	±15	kV
$V_{ESD-contact}$	ESD Voltage IEC61000-4-2 Contact	±8	kV
T_J	Junction Temperature	150	℃
T_L	Lead Temperature	260	℃
T_{STG}	Storage Temperature	-55 to +150	℃
P_D	Power Dissipation	150	mW

*1 t_P =10/1000 μ s

Electrical Characteristics (Ta = 25 ℃)

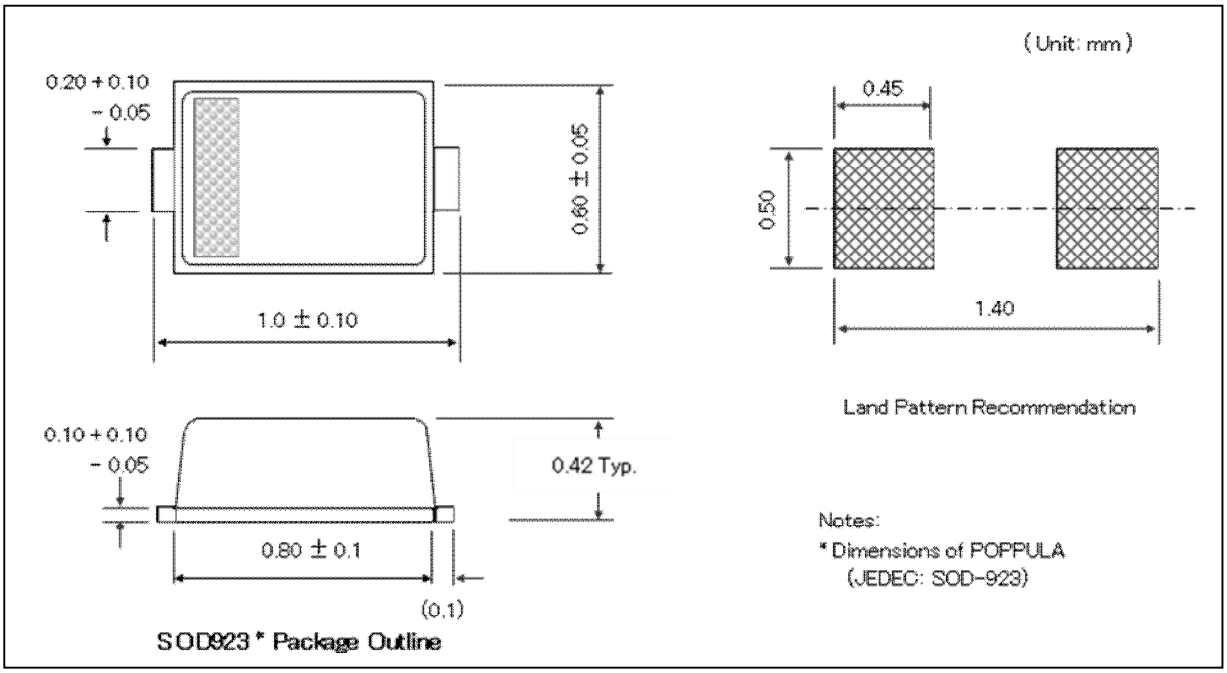
Symbol	Parameter	Conditions	Min	Typ	Max	Units
V_{BR}	Reverse Breakdown Voltage	I_T =±1mA	5.78		7.82	V
I_R	Reverse Current	V_R =±3.5V			0.5	μ A
C_D	Diode Capacitance	V_R = 0V, f = 1MHz		30		pF

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Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
ESDB6.8SM9	SOD923	Tape & Reel 8000pcs /7" Reel	8 mm	2 mm	Conductive	

Package Dimensions



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