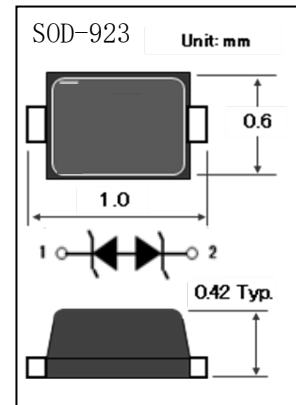


- ◇ Bi-Directional Transient Voltage Suppressor
- ◇ Low capacitance and Low Leakage
- ◇ ESD Protection, IEC61000-4-2 Level 4
- ◇ SOD923F Thin SMD
- ◇ RoHS compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead finish (Pb-Free)

Device Marking Code	
<b>ESDB5.0CM9</b>	<b>G2</b>



※Mark: refer to Device Marking

#### Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
$I_{PP}^{*1}$	Maximum Reverse Peak Pulse Current	5.0	A
$V_{ESD-Air}$	ESD Voltage IEC61000-4-2 Air	±15	kV
$V_{ESD-contact}$	ESD Voltage IEC61000-4-2 Contact	±8	kV
$T_J$	Junction Temperature	150	°C
$T_{STG}$	Storage Temperature	-55 to +150	°C
$P_D$	Power Dissipation	150	mW

\*1  $t_p = 8/20 \mu s$

#### Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
$V_{RWM}$	Reverse Working Peak Voltage	-			5.0	V
$V_{BR}$	Reverse Breakdown Voltage Pin 1 to 2	$I_T = 1mA$	5.6		8.2	V
$I_R$	Reverse Current	$V_{RWM} = \pm 5V$			1.0	$\mu A$
$C_D$	Diode Capacitance	$V_R = 0V, f = 1MHz$		13		pF

**Ordering Information**

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
ESDB5.0CM9	SOD923	Tape & Reel 8000pcs /7" Reel	8 mm	2 mm	Conductive	

**Package Dimensions**
