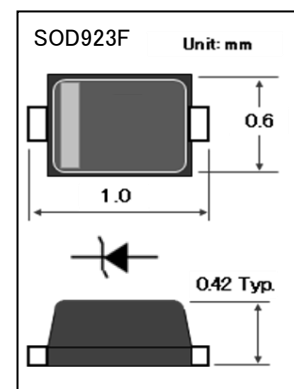


ESD9D3.3

- ◇ Low Clamping Voltage Of Transient Voltage Suppressor
- ◇ ESD Protection, IEC61000-4-2 Level 4
- ◇ SOD923F Micro SMD Package
- ◇ Rohs Compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead Finish (Pb-Free)
- ◇ Cathode Band / Device Marking

Device Marking Code	
ESD9D3.3	E1



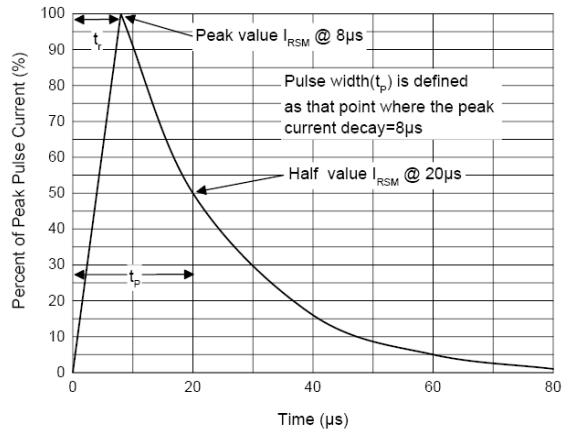
Absolute Maximum Ratings (Ta = 25 °C)

Symbol	Parameter	Value	Units
P_{PK}	Peak Power Dissipation	60	W
$V_{ESD-Air}$	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_L	Lead Temperature	260	°C
T_{STG}	Storage Temperature	-55 to +150	°C
P_D	Power Dissipation	100	mW

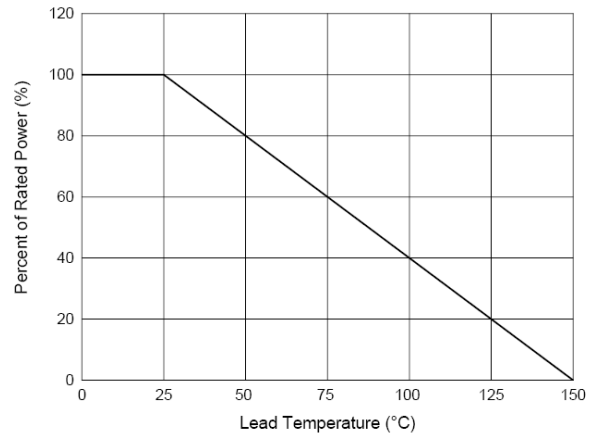
Electrical Characteristics (Ta = 25 °C)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
V_{RWM}	Reverse Working Peak Voltage	—			3.3	V
V_{BR}	Reverse Breakdown Voltage	$I_T = 1mA$	5.0			V
I_R	Reverse Current	$V_{RWM} = 3.3V$			2.5	μA
V_F	Forward Voltage	$I_F = 10mA$			0.9	V
V_C	Clamping Voltage	$I_{PP}=1A, t_P = 8/20 \mu s$			7.5	V
V_C	Clamping Voltage	$I_{PP}=5A, t_P = 8/20 \mu s$			9	V
C_D	Diode Capacitance	$V_R = 0V, f = 1MHz$		45		pF

Typical characteristics



8 X 20 μs Pulse Waveform

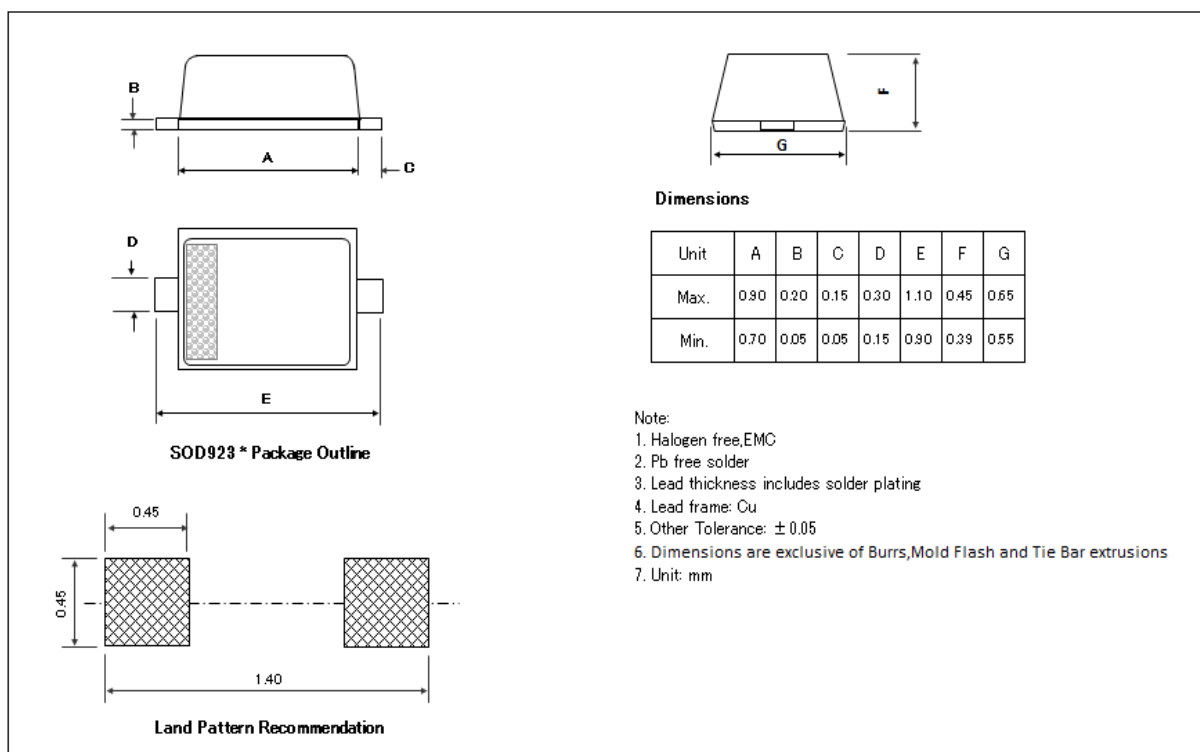


Pulse Derating Curve

Ordering Information

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
ESD9D3.3	SOD-923	Tape & Reel 8000pcs /7" Reel	8 mm	2 mm	Conductive	

Package Dimensions



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [ESD Suppressors / TVS Diodes](#) **category:**

Click to view products by [Yongyutai Electronics](#) **manufacturer:**

Other Similar products are found below :

[60KS200C](#) [D5V0F4U5P5-7](#) [NTE4902](#) [P4KE27CA](#) [P6KE11CA](#) [JAN1N6461](#) [P6KE8.2A](#) [SA60CA](#) [SA64CA](#) [SMBJ12CATR](#) [SMBJ33CATR](#)
[SMBJ8.0A](#) [ESD101-B1-02ELS E6327](#) [ESD112-B1-02EL E6327](#) [ESD7451N2T5G](#) [19180-510](#) [CPDT-5V0USP-HF](#) [3.0SMCJ33CA-F](#)
[3.0SMCJ36A-F](#) [HSPC16701B02TP](#) [JAN1N6472](#) [JANTX1N6052A](#) [JANTX1N6462](#) [D3V3Q1B2DLP3-7](#) [DRTR5V0U4SL-7](#) [SCM1293A-](#)
[04SO](#) [ESD200-B1-CSP0201 E6327](#) [ESD101-B1-02EL E6327](#) [AOZ8808DI-03](#) [5KP48A](#) [5KP90A](#) [15KPA36A-LF](#) [P4KE56CA](#) [P4KE68A](#)
[P6KE120A](#) [P6KE13CA](#) [P6KE43CA](#) [P6KE6.8CA](#) [P6KE8.2](#) [P6SMBJ20CA](#) [JANTX1N6072A](#) [SR2835ESKG](#) [SA90CA](#) [SA8.5A](#) [SA5.0CA](#)
[SA18A](#) [SA130A](#) [SA11CA](#) [SMLJ40CA-TP](#) [SMF22A-TP](#)