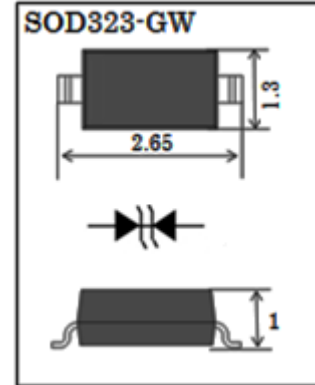


Transient Voltage Suppressors

- ◇ Low Forward Voltage Schottky Rectifier
- ◇ ESD Protection, IEC61000-4-2 Level 4
- ◇ RoHS compliant / Green EMC
- ◇ SOD323 Thin SMD package
- ◇ Matte Tin (Sn) Lead finish
- ◇ Cathode Band / Device marking

Device Marking Code	
ESDB05WX	05C



Maximum Ratings ( $T_a = 25\text{ }^\circ\text{C}$ )

Symbol	Parameter	Value	Units
$P_{PK}$	Peak Power Dissipation	350	W
$I_{PP\ *1}$	Maximum Reverse Peak Pulse Current	24	A
$V_{ESD-Air}$	ESD Voltage IEC61000-4-2 Air	$\pm 25$	kV
$V_{ESD-contact}$	ESD Voltage IEC61000-4-2 Contact	$\pm 10$	kV
$T_J$	Junction Temperature	150	$^\circ\text{C}$
$T_L$	Lead Temperature	260	$^\circ\text{C}$
$T_{STG}$	Storage Temperature	-55 to +150	$^\circ\text{C}$
$P_D$	Power Dissipation	150	mW

\*1  $t_p = 8/20\ \mu\text{s}$

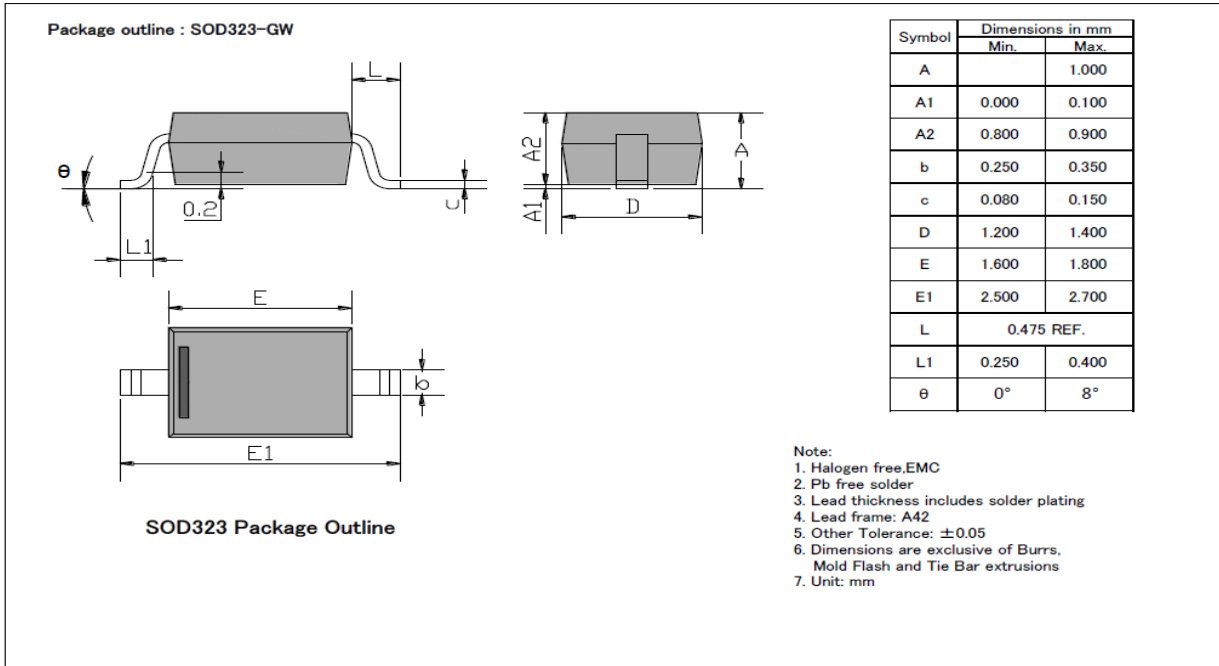
Electrical Characteristics ( $T_a = 25\text{ }^\circ\text{C}$ )

Symbol	Parameter	Conditions	Min	Typ	Max	Units
$V_{RWM}$	Reverse Working Peak Voltage	-			5.0	V
$V_{BR}$	Reverse Breakdown Voltage	$I_T = 1\text{ mA}$	6.2		8	V
$I_R$	Reverse Current	$V_{RWM} = 5\text{ V}$			1	$\mu\text{ A}$
$V_C$	Clamping Voltage	$I_{PP}\ \text{MAX}, t_p = 8/20\ \mu\text{ s}$			14.5	V
$C_D$	Diode Capacitance	$V_R = 0\text{ V}, f = 1\text{ MHz}$		130		pF

## Ordering Information

Package	Package Code	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
SOD323	-T	Tape & Reel 3000pcs /7" Reel	8 mm	4 mm	Conductive	

## Package Dimensions



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