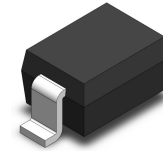


**Features**

- ◆ Working voltage :8.0V
- ◆ Low leakage current :1.0μA @  $V_{RWM}$
- ◆ Low clamping voltage
- ◆ Response Time is < 1 ns

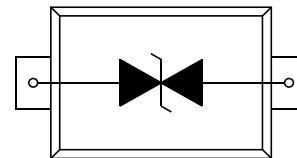
**SOD-323**



**Applications**

- ◆ Cell Phone Handsets and Accessories
- ◆ Microprocessor based equipment
- ◆ Personal Digital Assistants (PDA's)
- ◆ Notebooks, Desktops, and Servers

**Pin Configuration**



**Mechanical Characteristics**

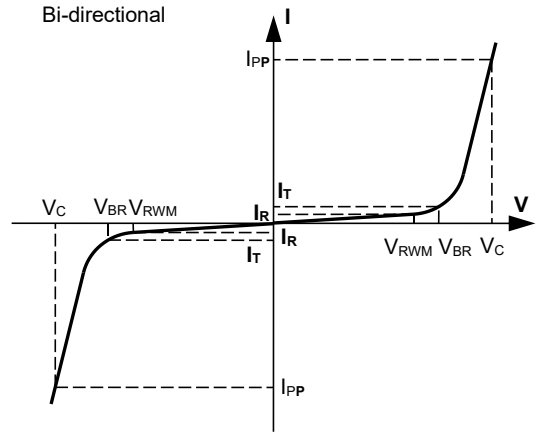
- ◆ SOD-323 Package
- ◆ Molding Compound Flammability Rating : UL 94V-0
- ◆ Quantity Per Reel : 3,000pcs
- ◆ Reel Size : 7 inch

**Absolute Maximum Rating**

Symbol	Parameter	Value	Units
$T_J$	Operating Junction Temperature	150	°C
$T_{STG}$	Storage Temperature Range	-40 to +150	°C
$I_{PP}$	Peak Pulse Current ( $t_P = 8/20\mu s$ )	15	A
$V_{ESD}$	ESD per IEC 61000-4-2 (Air)	±15KV	KV
	ESD per IEC 61000-4-2 (Contact)	±8KV	

**I-V Curve Characteristics**

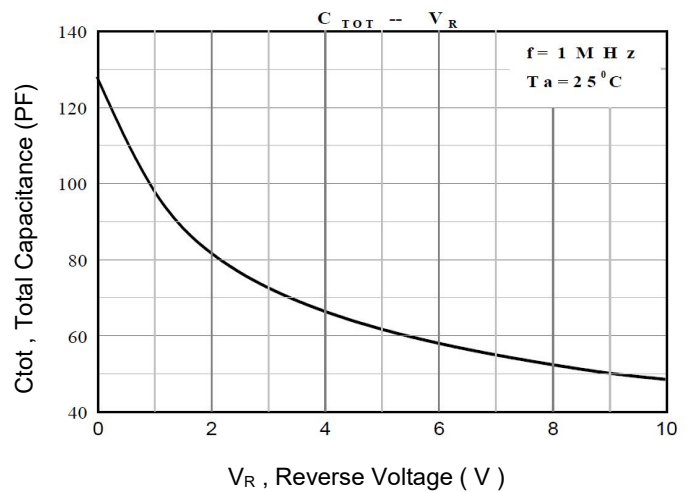
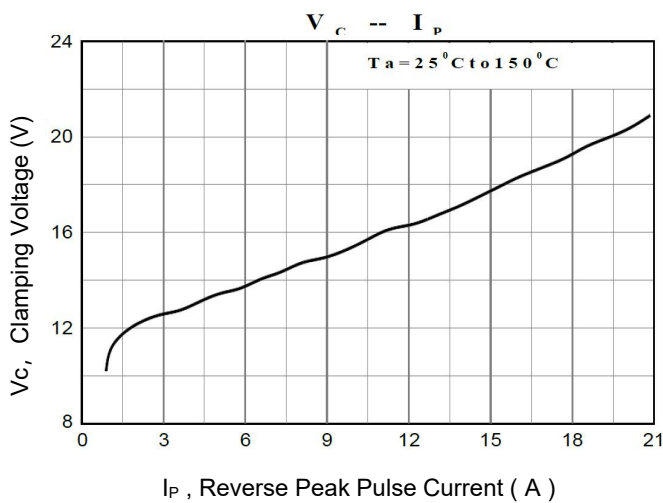
Symbol	Parameter
$I_{PP}$	Maximum Reverse Peak Pulse Current
$V_C$	Clamping Voltage @ $I_{PP}$
$V_{RWM}$	Working Peak Reverse Voltage
$I_R$	Maximum Reverse leakage Current @ $V_{RWM}$
$V_{BR}$	Breakdown Voltage @ $I_T$
$I_T$	Test Current



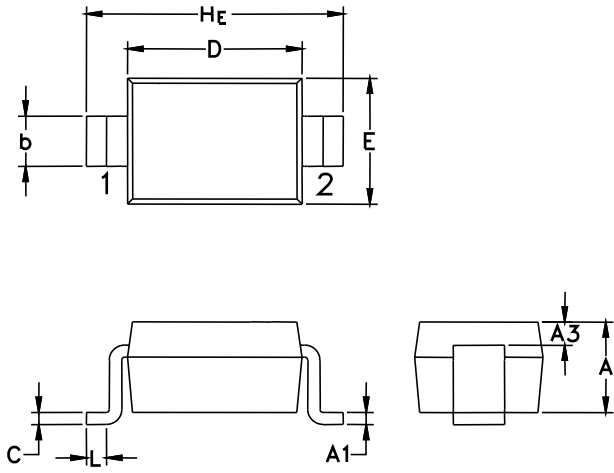
**Electrical Characteristics (@  $T_A=25^\circ\text{C}$ )**

Parameter	Symbol	Test Conditions	Min.	Typ.	Max.	Unit
Reverse Working Voltage	$V_{RWM}$	--	--	--	8.0	V
Reverse Breakdown Voltage	$V_{BR}$	$I_T = 1\text{mA}$	--	9.1	11	V
Reverse Leakage Current	$I_R$	$V_{RWM} = 8\text{V}$	--	--	1.0	$\mu\text{A}$
Clamping Voltage	$V_C$	$I_{PP} = 15\text{A}$ , $t_P = 8/20\mu\text{s}$	--	17.5	20	V
Junction Capacitance	$C_J$	$V_R = 0\text{V}$ , $f = 1\text{MHz}$	--	130	--	pF

**Typical characteristic curve**

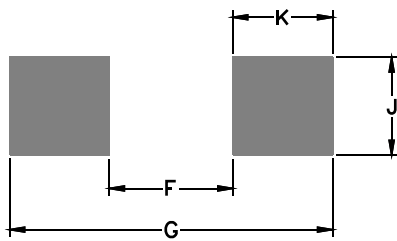


SOD-323 Package Outline & Dimensions



Symbol	Millimeters			Inches		
	Min.	Nom.	Max.	Min.	Nom.	Max.
<b>A</b>	0.80	0.90	1.00	0.031	0.035	0.040
<b>A1</b>	0.00	0.05	0.10	0.000	0.002	0.004
<b>A3</b>	0.15 REF			0.006 REF		
<b>b</b>	0.25	0.32	0.40	0.010	0.012	0.016
<b>C</b>	0.089	0.12	0.177	0.003	0.005	0.007
<b>D</b>	1.60	1.70	1.80	0.062	0.066	0.070
<b>E</b>	1.15	1.25	1.35	0.045	0.049	0.053
<b>L</b>	0.08	--	--	0.003	--	--
<b>HE</b>	2.30	2.50	2.70	0.090	0.098	0.105

Soldering Footprint



Symbol	Millimeters	Inches
<b>F</b>	1.60	0.063
<b>G</b>	2.85	0.112
<b>J</b>	0.83	0.033
<b>K</b>	0.63	0.025

单击下面可查看定价，库存，交付和生命周期等信息

[>>KUU\(永裕泰\)](#)