



SE15D5T11GW

Features

♦ Working voltage : 15V

♦ Low leakage current: 1.0μA @ V_{RWM}

Low clamping voltage

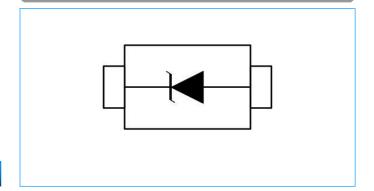
♦ Response Time is < 1 ns



Applications

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

Pin Configuration



Mechanical Characteristics

♦ SOD-523 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 _{LST}	Lead Soldering Temperature	260 (10sec)	${\mathbb C}$
T _{STG}	Storage Temperature Range	-55 to +150	${\mathbb C}$
T _{OPT}	Operating Temperature Range	-55 to +150	$^{\circ}$
V _{ESD}	ESD per IEC 61000-4-2(Air)	±15	101
	ESD per IEC 61000-4-2 (Contact)	±8	KV

1/4

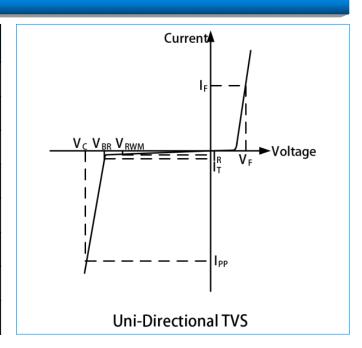




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I-V Curve Characteristics

Symbol	Parameter			
I _{PP}	Maximum Reverse Peak Pulse Current			
Vc	Clamping Voltage @ I _{PP}			
V _{RWM}	Working Peak Reverse Voltage			
I _R	Maximum Reverse Leakage Current @ V _{RWM}			
V _{BR}	Breakdown Voltage @ I⊤			
I _T	Test Current			
IF	Forward Current			
V _F	Forward Voltage @ I _F			



Electrical Characteristics (@T_A=25℃ Unless Otherwise Specified)

Symbol	Test Condition	Minimum	Typical	Maximum	Units
V _{RWM}				15	V
I _R	V _{RWM} =15V, T=25℃	-	1	1.0	μΑ
V_{BR}	I _T = 1mA	16.5	-	-	V
Vc	I _{PP} =1A, t _p =8/20μs	1	20	1	V
V c	I _{PP} =4A, t _p =8/20μs	1	23	1	V
CJ	V _R =0V, f=1MHz		23	-	pF





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Characteristic Curves

Fig1. ESD Clamping Voltage Screenshot
Positive 8 kV Contact per IEC6100-4-2

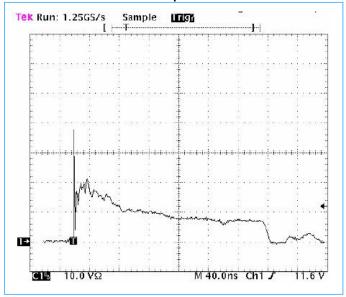
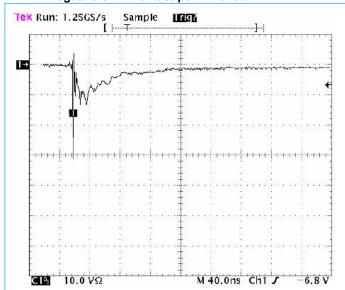
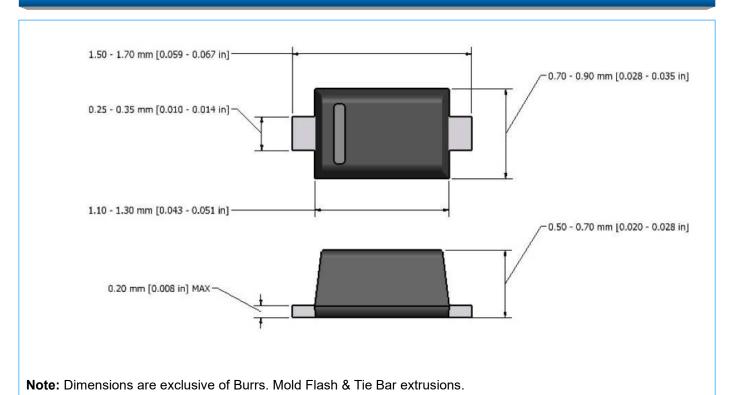


Fig2. ESD Clamping Voltage Screenshot Negative 8 kV Contact per IEC6100-4-2



SOD-523 Package Outline & Dimensions



SOCAY Electronics Corp., Ltd.





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