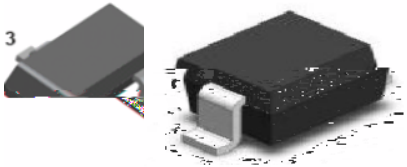
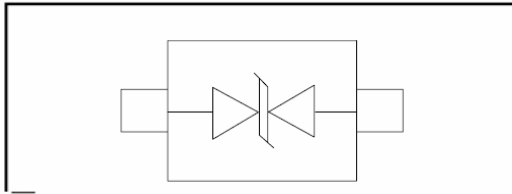


## ESD Protection Diode



**SOD-323**

### Features

- For sensitive ESD protection
- Bi-directional ESD protection of one line
- Operating voltage: 15V
- Moisture Sensitivity: Level 3 per J-STD-020

### Mechanical Data

- Package: SOD323
- Lead Finish: Matte Tin
- Marking: 15CM



### Maximum Ratings

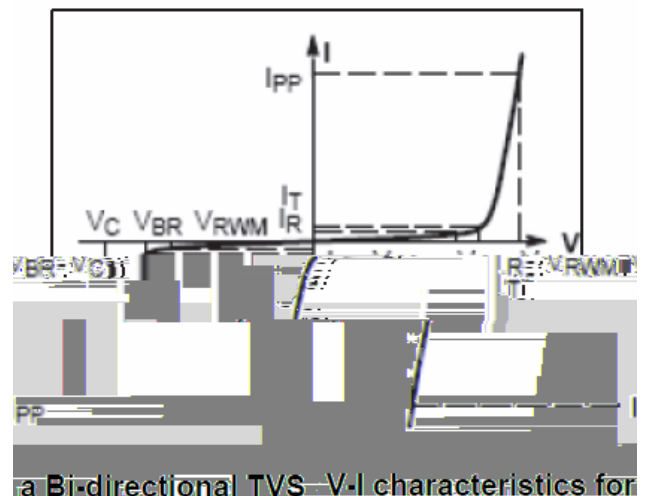
PARAMETER	SYMBOL	LIMITS	UNIT
Operating Junction	$T_J$	-55 to +125	
Storage Temperature	$T_{STG}$	-55 to +150	
Reverse Standoff Voltage	$V_{RWM}$	15	V
Peak Pulse Current	$I_{PP}$	18	A

\*3).Device stressed with ten non-repetitive ESD pulses.

(2).Non-repetitive current pulse 8/20 $\mu$ s exponential decay waveform according to IEC61000-4-5.

### Electrical Parameter

PARAMETER	SYMBOL
Clamping Voltage@ $I_{PP}$	$V_C$
Breakdown Voltage@ $I_T$	$V_{BR}$
Peak Pulse Current	$I_{PP}$
Test Current	$I_T$
Reverse Leakage Current@ $V_{RWM}$	$I_R$
Reverse Standoff Voltage	$V_{RWM}$
Peak Power Dissipation	$P_{PK}$
Max. Capacitance @ $V_R=0$ and $f=1$ MHz	$C$





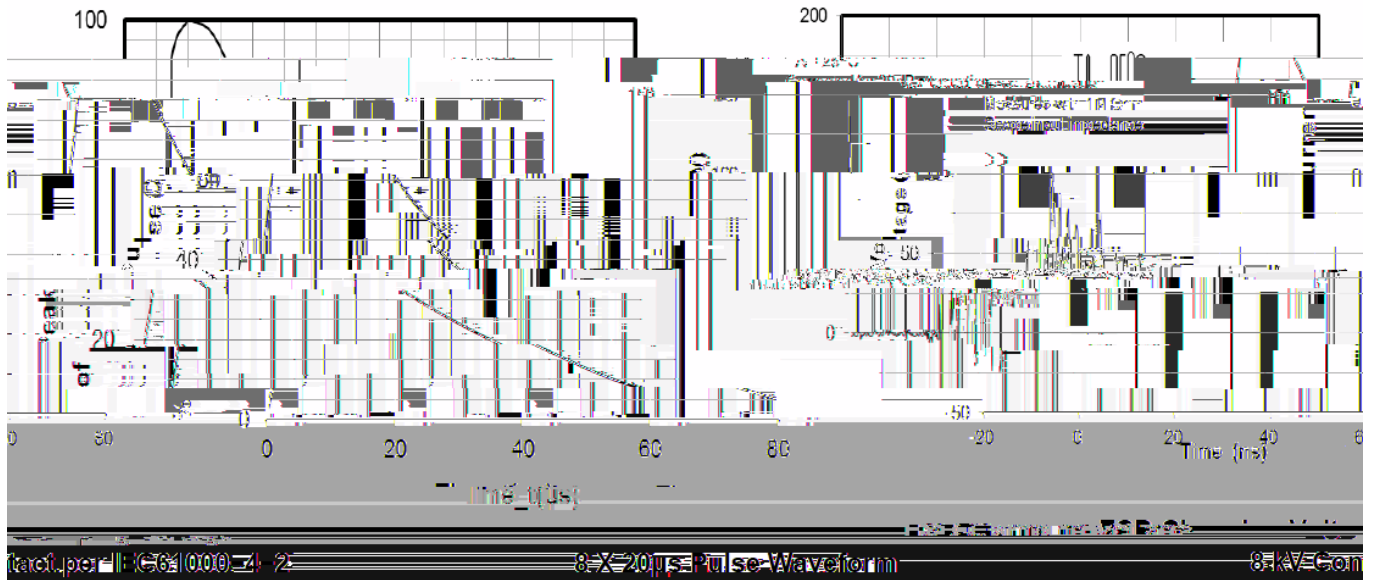
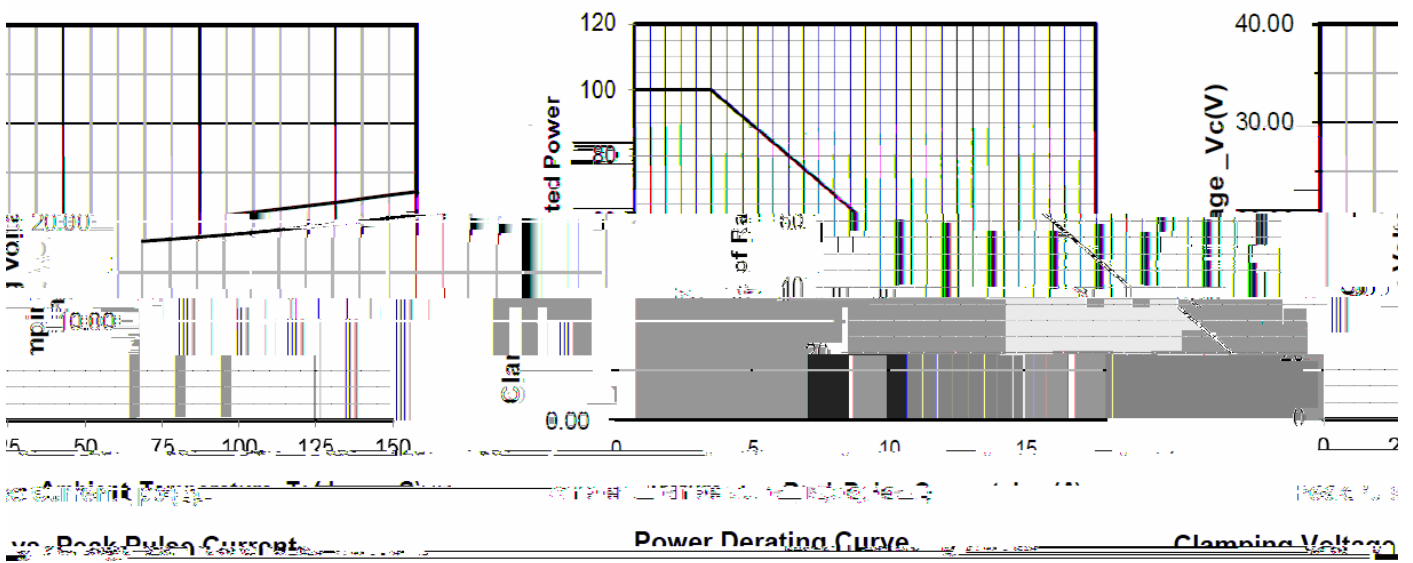
## ASD15CM

### Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse Standoff Voltage	$V_{RWM}^1$	V				15
Reverse Leakage Current	$I_R$	$\mu A$	$V_{RWM}=15V$			0.5
Breakdown Voltage	$V_{(BR)}$	V	$I_T=1mA$	16.7		
Clamping Voltage	V					



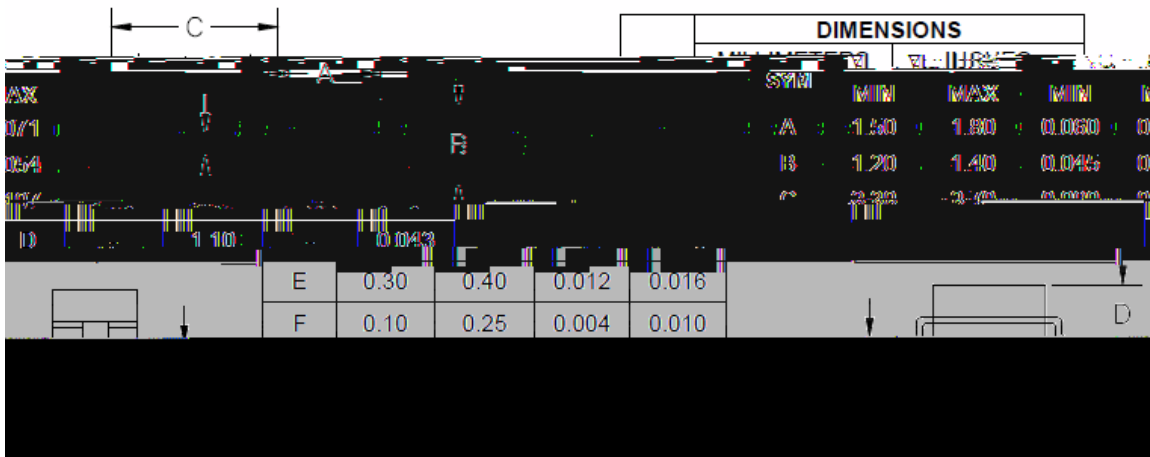
# ASD15CM



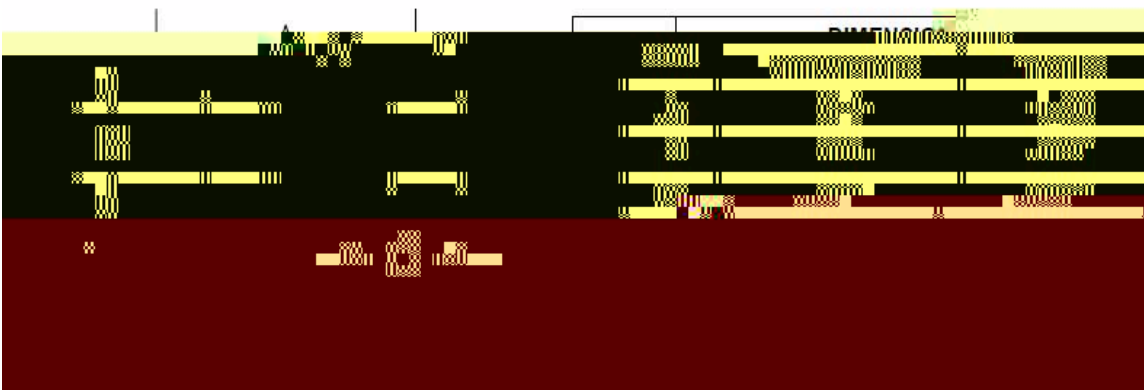


# ASD15CM

## Outline Dimensions



## Soldering Footprint





# ASD15CM

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## Disclaimer

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The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instru