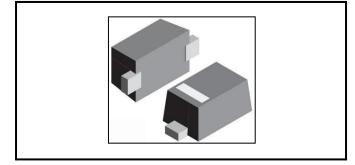
ESD3V3OE

Description

ESD3V3OE is designed to protect voltage sensitive components from ESD and transient voltage events. Excellent clamping capability, low leakage, and fast response time, make these parts ideal for ESD protection on designs where board space is at a premium.



Features

● 200 Watts Peak Pulse Power per Line (tp=8/20µs)

Operating voltage: 3.3V

Low leakage current

Package: SOD-523

Low clamping voltage

• Complies with following standards:

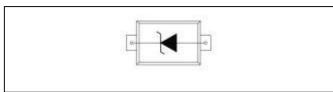
- IEC 61000-4-2 (ESD)

immunity test Air discharge:

±15kV

Contact discharge: ±8kV

Functional Diagram



Applications

- Cellular Handsets and Accessories
- Portable Electronics
- Industrial Controls
- Set-Top Box
- Instrumentation
- Servers, Notebook, and Desktop PC
- Display Ports

Absolute Maximum Ratings(Tamb=25°C unless otherwise specified)

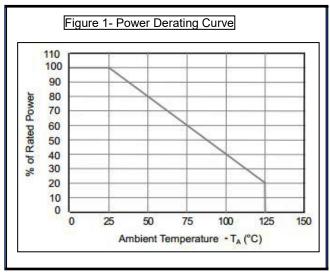
Parameter	Symbol	Value	Unit	
Peak Pulse Power (8/20µs)	P _{PP}	200	Watts	
ESD per IEC 61000-4-2 (Air)		±15	KV	
ESD per IEC 61000-4-2 (Contact)	V_{ESD}	±8	KV	
Lead Soldering Temperature	TL	260 (10 sec)	°C	
Operating Temperature Range	TJ	-55 to +125	°C	
Storage Temperature Range	T _{STJ}	-55 to +150	°C	

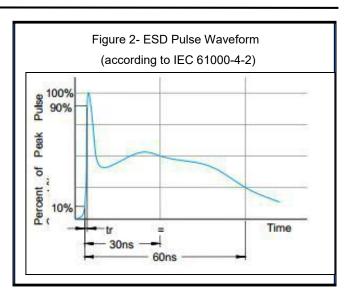
ESD3V3OE

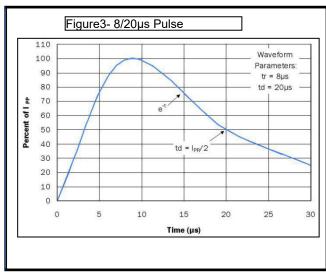
Electrical Characteristics (TA = 25 °C unless otherwise noted)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Stand-off Voltage	V_{RWM}				3.3	٧
Reverse Breakdown Voltage	V_{BR}	I _t = 1mA	4			V
Reverse Leakage Current	I _R	$V_R = V_{RWM}$			200	μΑ
Clamping Voltage	Vc	$I_{PP}=1A$, $t_{P}=8/20\mu s$			7	٧
		I_{PP} =8A, t_P = 8/20 μ s			12	V
Junction Capacitance	CJ	V _R =0V, f = 1MHz			200	pF

Characteristics Curves

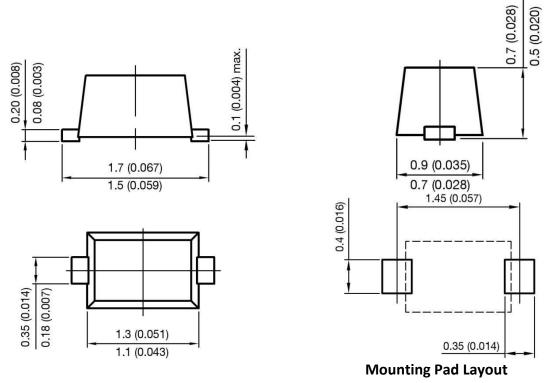






ESD3V3OE

DIMENSIONS in millimeters (inches): SOD523



Disclaimer

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.