



Product Overview

Created on: 6/2/2007

ESD9B: Bi-directional ESD protection in SOD-923

For complete documentation, see the [data sheet](#)

Product Description

The ESD9B Series is designed to protect voltage sensitive components from ESD. Excellent clamping capability, low leakage, and fast response time provide best in class protection on designs that are exposed to ESD. Because of its small size, it is suited for use in cellular phones, MP3 players, digital cameras and many other portable applications where board space comes at a premium.

Features

- Small Body Outline Dimensions: 0.039 x 0.024 (1.0mm x 0.60mm)
- Low Leakage
- IEC61000-4-2 Level 4 ESD Protection
- Low Body Height: 0.016 (0.4 mm)
- Standoff Voltage: 5.0 V
- Response Time is < 1 ns

Benefits

- Excellent for space constrained designs
- Preserves battery life
- Protects against the harshest ESD pulses

End Products

Selected Electrical Specifications

Symbol	Boundary	Value	Unit	Condition
V _(BR)	min	5.8	V	1 mA
V _(BR)	max	7.8	V	1 mA
V _{RWM}	max	5	V	1 uA
I _R	max	1	μA	5 V
C	max	15	pF	0 V
Dir		Bidirectional		

Package Availability

Type	PB Free	Standard
SOD-923, 0.40 Max Height	X	

For more information please contact your local sales support at www.onsemi.com