



## ESD5V0D5B

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### ESD Protection Diode

#### Features

- For sensitive ESD protection
- Low leakage
- Bi-directional ESD protection of one line
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

#### Mechanical Data

**Package:** SOD523

**Terminals:** Tin plated leads, solderable per J-STD-002 and JESD22-B102

**Marking:** B5

# ESD5V0D5B

√Electrical Characteristics  $\dot{A}T_a=25$  Unless otherwise specified  $\dot{A}$

PARAMETER	Symbol	UNIT	Conditions	Min	Typ	Max
Reverse Standoff Voltage	$V_{RWM}^{\dot{A}1\dot{A}}$	V				5.0
Reverse Leakage Current	$I_R$	uA	$V_{RWM}=5.0V$			1
Breakdown Voltage	$V_{(BR)}$	V	$I_T=1mA$	5.8		8.7
Clamping Voltage	$V_C^{\dot{A}2\dot{A}}$	V	$I_{PP}=8A$			16
Junction Capacitance	$C_J$	pF	$V_R=0V, f=1MHz$		35	45

(1).Other voltages available upon request.

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

√Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
ESD5V0D5B	F2	Approximate 0.002	8000	80000	320000	7" reel

√Characteristics (Typical)



**Outline Dimensions**

**v Soldering Footprint**



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