



ESD259-B1-W0201

Description:

Low Clamping Voltage Bi Directional ESD/ Transient Protection DiodeTVS (transient voltage suppressor)

Bi-directional, 16 V, 4.2 pF, 0201, RoHS and halogen free compliant

Summary of Features:

- ESD/transient protection according to:
 - IEC61000-4-2 (ESD): ± 15 kV (air/contact discharge)
 - IEC61000-4-4 (EFT): ± 2.5 kV/ ± 50 A (5/50 ns)
 - IEC61000-4-5 (Surge): ± 2.5 A (8/20 μ s)
- Bi-directional working voltage up to: $V_{RWM} = \pm 16$ V
- Line capacitance: $CL = 4.2$ pF (typical) at $f = 1$ MHz
- Optimized RF-linearity performance
- Ultra Low Dynamic Resistance $R_{DYN} = 0.29 \Omega$ typical
- Small form factor SMD size 0201, low profile (0.58 mm x 0.28 mm x 0.15 mm)
- Pb-Free (RoHS compliant) and halogen free package

Target Applications:

- Audio line, speaker, headset, microphone
- Keypad, touchpad, buttons, convenience keys
- LCD displays, camera, audio lines, mobile communication, consumer products (E-Book, MP3, DVD, DSC...)
- Notebooks tablets and desktop computers and their peripherals

Order

Sales Product Name	ESD259-B1-W0201
OPN	ESD259B1W0201E6327XTSA1
Product Status	active and preferred
Package name	WLL-2-3
Order online	Buy online
Completely lead free	yes
Halogen free	yes
RoHS compliant	yes
Packing Size	15000
Packing Type	TAPE & REEL
Moisture Level	1
Moisture Packing	NON DRY

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