

Product Overview

ESD5581: ESD Protection, Bidirectional, 5 V, 10 pF

For complete documentation, see the data sheet.

The ESD5581 is designed to protect voltage sensitive components that require low capacitance from ESD events. Excellent clamping capability, low capacitance, low leakage, and fast response time, make these parts ideal for ESD protection on designs where board space is at a premium. Because of its low capacitance, the part is well suited for use in high frequency designs such as USB 2.0 high speed applications.

Features

- Low Capacitance, 5.0 μ F (Max)
- Low Clamping Voltage, 10 V
- Small Body Outline Dimensions, 0.62 mm x 0.32 mm
- Low Body Height, 0.3 mm
- Stand-off Voltage, 5 V
- IEC61000-4-2, Level 4 ESD Protection

Applications

- USB ID
- GPIO
- μ SD Protection

End Products

- Flash Drives
- HDD

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V _(BR) Min (V)	V _{RWM} Max (V)	I _R Max (μ A)	P _{PK} Max (W)	Package Type
ESD5581MXT5G	0.028	Pb-free Halide free	Active	General I/O	1	Bidirectional	10	5.2	5	0.1	-	X3DFN-2
ESD5581N2T5G	0.0233	Pb-free Halide free	Active	General I/O	1	Bidirectional	10	5.2	5	0.1	-	X2DFN-2

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

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