

製品概要

ESD8006: Low Capacitance ESD Protection Diode Array, Thunderbolt

技術情報は、データシートをご参照ください。

The ESD8006 transient voltage suppressor is specifically designed to protect USB 3.0 and Thunderbolt interfaces from ESD. Ultra-low capacitance and low ESD clamping voltage make this device an ideal solution for protecting voltage sensitive high speed data lines. The flow-through style package allows for easy PCB layout and matched trace lengths necessary to maintain consistent impedance between high speed differential lines.

特長

- 0.25pF max capacitance
- Clamping voltage less than 8.6V at 16A

アプリケーション

- USB3.0
- Thunderbolt

利点

- Maintains signal integrity for data lines up to 10Gb/s and greater
- Protects chipsets with small process geometries

最終製品

- Computing
- Computing accessories
- Hard drives

電氣的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Interface	Number of Lines	Direction	C Max (pF)	V _(BR) Min (V)	V _{RWM} Max (V)	I _R Max (μA)	P _{PK} Max (W)	Package Type
ESD8006MUTAG	0.1987	Pb-free Halide free	Active	Thunderbolt USB 3.1 eSATA 3.0 USB 3.0 Display Port	6	Unidirectional	0.32	5.5	3.3	1	-	UDFN-8
SZESD8006MUTAG	0.2187	AEC Qualified PPAP Capable Pb-free Halide free	Active	Display Port Thunderbolt eSATA 3.0 USB 3.1 USB 3.0	6	Unidirectional	0.32	5.5	3.3	1	-	UDFN-8

詳細は、弊社 www.onsemi.jp の営業または販売代理店にお問い合わせください。

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