

製品概要

MG2040: ESD Protection Diode, Low Capacitance, High Speed Video Interface

技術情報は、データシートをご参照ください。



The MG2040 is designed specifically to protect HDMI and Display Port with full functionality ESD protection and back drive current protection for VCC line. 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 for the high speed TMDS lines.

特長

- Full Function HDMI/Display Port Solution
- Single Connect, Flow through Routing for TMDS Lines
- Low Capacitance (0.35pF Typical, I/O to GND)
- Protection for the following IEC Standards: IEC 61000-4-2 Level 4(±8 kV Contact)
- UL Flammability Rating of 94 V-0
- Pb-Free Device

アプリケーション

- HDMI
- Display Port

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
MG2040MUTAG	0.3839	Pb-free Halide free non AEC-Q and PPAP	Active	Display Port HDMI 1.3/1.4	14	Unidirectional	0.42	5.5	5	1	10.7	UDFN-18
SZMG2040MUTAG	0.3168	AEC Qualified PPAP Capable Pb-free Halide free	Active	Display Port HDMI 1.3/1.4	14	Unidirectional	0.42	5.5	5	1	10.7	UDFN-18

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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