

製品概要

FSUSB242: USB Type-C ポートプロテクション・スイッチ

技術情報は、データシートをご参照ください。

The FSUSB242 is a switch that provides high voltage and surge protection for the HSD+/HSD- lines. Surge is an increasing concern for small form factor connectors such as USB microB and USB Type-C™. This product will provide 2:1 switching while maintaining sufficient signal integrity so the USB 2.0 HS eye diagram can still be passed.

特長

- Fully USB Data Port Protection
 - VDD 0 V- 5.5 V (12 V DC tolerant)
 - ± 20 V DC Tolerance on HSD \pm Port
 - ± 26 V IEC 64000-4-5 Surge Protection w/o External TVS
 - VDD Operating Range, 2.7 V-5.5 V
 - HSD RON: 5 Ω Typical
 - CON = 5 pF Typical
 - Wide -3 dB Bandwidth: > 720 MHz
 - Low Power Operation: ICC < 10 μ A (Typical)
 - Over Voltage Protection: 3.6 V & 4.5 V
- For more features, see the data sheet

アプリケーション

- USB Type-C™ ports
- USB microB ports

最終製品

- Smartphones
- Tablets
- Laptops

電気的仕様

製品	Pricing (\$/Unit)	Compliance	Status	Channels	Number of Switches	Configuration	I _{cc} Max (μ A)	r _{on} Max (Ω)	V _{cc} Min (V)	V _{cc} Max (V)	Package Type
FSUSB242UCX	0.2453	Pb-free Halide free	Active	2	4	DPDT	-	-	2.7	12	WLCSP-9

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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