Product Overview

FPF2495C: Load Switch, Over-Voltage, Over-Current Protection with Adjustable Current-Limit Control, IntelliMAX™ 28 V

For complete documentation, see the data sheet.

The FPF2495C advanced load-management switch targets applications requiring a highly integrated solution. It disconnects loads powered from the DC power rail (<6 V) with stringent off-state current targets and high load capacitances (<100 µF). The FPF2495C consists of a slew-rate controlled low-impedance MOSFET switch (100 mΩ maximum) and integrated analog features. The slew-rate controlled turn-on characteristic prevents inrush current and the resulting excessive voltage droop on power rails. FPF2495C has over-voltage protection and over-temperature protection.

Features

- VIN: 2.5 V~5.5 V
- 28 V Absolute Ratings at VOUT
- Current Capability: 2.0 A
- Adjustable Current Limit: (Typ.) 0.1 A~1.5 A with 10% Accuracy
- RON: Maximum 100 mΩ at 5 VIN and 1 A
- Output OVP: Min.=5.6 V, Typ.=5.8 V, Max.=6 V
- No Output Discharge During Off State
- Open-Drain OVP on FLAGB
- Thermal Shutdown
- Under-Voltage Lockout (UVLO)

  For more features, see the data sheet

Applications

- Media Tablets
- Storage & Peripherals
- Mobile Handsets
- Wireless LAN Card & Broadband Access
- PMP/MP3 Players

Part Electrical Specifications

Product	Pricing ($/Unit)	Compliance	Status	Channels	r_{on} (mΩ)	I Max (A)	V_I Min (V)	V_I Max (V)	Package Type
FPF2495CUCX	0.3333	Pb-free Halide free	Active		70	1.65	2.5	5.5	WLCSP-9

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

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