

## FPF2495C

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

## Product Overview

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  $\mu$ F). The FPF2495C consists of a slew-rate controlled low-impedance MOSFET switch (100 m 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 m $\Omega$  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	Over Current - Shutdown (Y/N)	Over Current - Current Source (Y/N)	Current Limit (FIXED/ADJ/N/O)	Over Voltage Protection (Y/N)	Reverse Current Blocking (Y/N)	FAULT Signal (Y/N)	PGOOD (Y/N)	UVLO (Y/N)	R <sub>ds(on)</sub> Typ (mΩ)	Max Current (A)	Output Discharge (Y/N)	IMON Output (Y/N)	Adjustable Slew Rate (Y/N)	V <sub>i</sub> Min (V)	V <sub>i</sub> Max (V)	I <sub>a</sub> (μA)	Fuse / Hot Plug (Y/N)	In put / Output	Product Family	Package Type
FPF2495CUCX	0.3268	 	Active	N	Y		Y	Y	Y	N	Y	70	2.2	N	N	N	2.5	5.5	65	N	1:1	IntelliMAX	WLCSP-9