

21V Bidirectional Load Switch Controller with Over-Voltage Protection

DESCRIPTION

The MT7262 is a robust bidirectional load switch controller. Controlling external back-to-back ultra-low RDSON N-channel MOSFET switches minimizes power loss during normal operation and provides true disconnection during shutdown. The power delivery direction can be easily defined by the sequence of two enable pins, EN1 and EN2. Both input/output power ports, the VBUS1 and VBUS2, have their own independent discharge circuits with internal soft-start. MT7262 offers ease of use, small footprint, while preserves the robustness of discrete solutions. The MT7262 is available in DFN2X2_8L package.

FEATURES

- Wide Supply Voltage Range from 3V to 21V
- 30V Tolerance on Port VBUS1 and VBUS2
- Bidirectional Power Delivery
- Discharge Control on VBUS1 and VBUS2 Ports
- Internal Soft-Start
- Available in DFN2X2_8L Packages
- Pb-Free ROHS compliant

APPLICATIONS

- Notebook, Desktop, Servers and Tablets
- Dongle and Docking Stations
- Power Accessories
- Thunderbolt/USB Type-C PD power switch

TYPICAL APPLICATIONS

