

1.5A LOAD SWITCH WITH CONTROLLED TURN-ON

FEATURES

- | Integrated 1.5A Single Channel Load Switch
- | Input Voltage Range: 0.8V to 5.5V
- | Low Threshold Control Input
- | Quick Output Discharge Transistor
- | Over-Temperature Protection
- | Over Current Protection
- | Short Circuit Protection
- | Open-Drain Fault Flag Output
- | Low ON-Resistance $R_{ON} = 40m\Omega$
- | Halogen Free Product

APPLICATIONS

- | Telecom Systems
- | Set-Top-Box
- | Consumer Electronics
- | Notebooks / Netbooks

DESCRIPTION

The JTMA8988 is a low R_{ON} load switch with controlled turn on. It contains one N-channel MOSFET that can operate over an input voltage range of 0.8V to 5.5V and support maximum continuous current up to 1.5A. The switch is controlled by an on/off input (EN), which is capable of interfacing directly with low-voltage control signals.

Additional features include a 330 Ω on-chip load resistor is added for output quick discharge when switch is turned off. A well protection is equipped when the device enters hard short circuit and thermal shutdown.

The JTMA8988 is available in small SOT-26 package with smallest components.

TYPICAL APPLICATION

