

ET9528

General Description

ET9528 is an Over-Voltage-Protection (OVP) and Over-Current-Protection (OCP) device. It can disconnect IN to OUT to protect load in case wrong input operating conditions are detected. The system is positive over-voltage protected up to 36V. The internal over-voltage thresholds (OVLO) is 6.1V and internal over-current thresholds (OCP) is 2.5A. ET9528 also has internal over temperature protect(OTP) function and it can monitor chip temperature to protect the device.

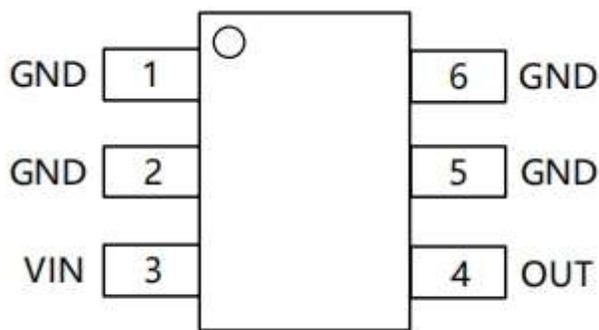
Characteristics

- Typical RON is 110mΩ N-Channel MOSFET @5V/1A
- VIN Operating Range: 2.5V to 36V Internal Over-voltage Lockout : 6.1V
- Internal Over-current Lockout : 2.5A (MIN)
- Over-voltage-Protection Response Time : <500ns
- Startup Debounce Time: 16ms (TYP).
- Typical Output Power on Time: 16.3ms (TYP).
- Internal Thermal-Shutdown Protection
- All pins ESD Protected: Human Body Model (JEDEC22-A114) ± 2KV Pass
- SOT23-6 package

Aplicaciones

- GPS and Navigation Equipment
- Portable Media Devices, Laptop & MID
- SLR Digital Cameras
- Industrial Handheld and Enterprise Equipmen

Pinout



Top View