

### Description

TCS9225 can disconnect the systems from its output pin (OUT) in case wrong input operating conditions are detected. The system is positive overvoltage protected up to 36V.

The internal over voltage thresholds (OVLO) is 6.1V and internal over current thresholds (OCP) is 2.5A.

TCS9225 also has internal over temperature protect (OTP) function and it can monitor chip temperature to protect the device.

The device is packaged in advanced full-Green Packaging (SOT23-6L).

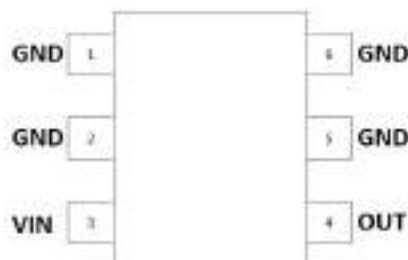
### Features

- Typical Ron: 120mΩ@1.0A
- VIN Operating Range: 2.5 to 36V
- Internal Overvoltage Lockout: 6.1V
- Internal Overcurrent Lockout: 2.5A
- OVP Response time: < 500ns
- Output Discharge
- Startup Debounce Time: 8ms
- Output Power on time: 8ms
- Internal OTSD Protection
- SOT23-6 Package

### Applications

- GPS
- MID
- SLR Digital Cameras
- Industrial Handheld and Enterprise Equipment

### Pin Descriptions



PIN	NAME	DESCRIPTION
1,2,5,6	GND	Ground. Connect GND pins together for proper operation.
3	IN	Voltage Input.
4	OUT	Voltage Output.