

Main Specifications

Part number	TB9045FNG-110 / TB9045FNG-120 / TB9045FNG-125 / TB9045FNG-150
Output voltage	400mA current capacitance (single circuit): 5.0V±0.1V (typ.) 100mA current capacitance (3 circuits): 5.0V ±20mV (typ.) 800mA current capacitance (single circuit): TB9045FNG-110: 1.1V (typ.) TB9045FNG-120: 1.2V (typ.) TB9045FNG-125: 1.25V (typ.) TB9045FNG-150: 1.5V (typ.)
Output current capacitance	400mA (single circuit), 100mA (3 circuits), 800mA (single circuit)
Operation voltage range	2.7 to 18V
Failure detections	Low-voltage detection circuit for the battery power supply High-voltage detection circuit for the DC-DC converter (6V) High-voltage / Low-voltage detection circuits for series power supply (5V) Over heat detection Oscillation frequency monitoring circuit Watchdog timer circuit for the external MCU
Power on reset	Power on reset time is adjustable by the external capacitor
Watchdog timer	Window control: Time is configured independently in high-speed detection and low-speed detection.
Watchdog control	Operation or stop mode is switched by the watchdog timer select pin (WS pin).
Operating temperature range	-40 to 125°C
Package	HTSSOP48-P-300-0.50 (6.1mm×12.5mm×1.0mm)
Mass production	Scheduled for December 2019 (1 million pcs/year)