Voltage Regulators Feature Short-Circuit Current Foldback



Microchip Technology Inc. introduced its

MCP1754/MCP1754S low dropout regulators (LDOs). The devices feature a high PSRR of 70 dB at 1 kHz (typical), and a maximum output current of 150 mA at +125 degrees Celsius junction temperature. Both LDOs offer a high input voltage of 16 V and an output voltage range of 1.8 V to 5.5 V, with standard output voltages of 2 V, 2.5 V, 2.8 V, 3 V, 3.3 V, 4 V and 5 V, and output voltage tolerances of +/-2.0 percent over the entire temperature range. The MCP1754 provides enhanced features, such as a shutdown input signal and a power-good output signal, while the MCP1754S is the baseline version of the device. These LDOs are appropriate for electronic circuits, such as in GFCI and AFCI circuit-breaker designs, and in the automotive, medical and consumer electronics markets, such as in automotive power adapters, cell phones and medical devices.

Microchip Technology Inc.

888-628-6247, <u>www.microchip.com</u> [1]

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