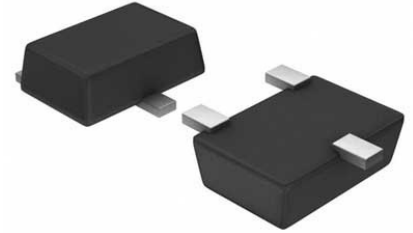


LDO Regulator Pos 3.3V 0.08A Automotive 3-Pin SOT-23 T/R



Images are for reference only

[Inquiry](#)

Manufacturer: [Microchip Technology, Inc](#)

Package/Case: SOT-23-3

Product Type: Power Management ICs

RoHS: RoHS Compliant/Lead free 

Lifecycle: Active

General Description

The MCP1799 is a high-voltage, low-dropout (LDO) regulator, capable of generating 80 mA output current. The input voltage range of 4.5V to 45V makes it ideal in 12V to 36V power rails and in high-voltage battery packs. The MCP1799 comes in two standard fixed output voltage versions: 3.3V and 5.0V. The regulator output is stable with 1 μ F ceramic capacitors. The device is protected from short circuit events by the current limit function and from over heating by means of thermal shutdown protection. The device itself has a low ground current of 45 μ A typical, while delivering maximum output current of 80 mA. Without load the device consumes 25 μ A typical.

For product comparison, please consider: MCP1792

Key Features

AEC-Q100 with Grade 0 and PPAP Capable

Wide Input Voltage Range: 4.5V to 45V

Extended Working Temperature Range: -40C to 150C

Low Quiescent Supply Current: 25 uA typical

Stable with 1 uF Ceramic Output Capacitor

Short Circuit Protection

Thermal Shutdown Protection: +180C typical

High PSRR: 70 dB @ 1kHz typical

Available in SOT-23 and SOT-223

Recommended For You

MCP1416T-E/OT

Microchip Technology, Inc
SOT23-5

MCP1825S-1802E/DB

Microchip Technology, Inc
SOT-223

MCP1525T-I/TT

Microchip Technology, Inc
SOT23-3

MCP73831T-2ACI/OT

Microchip Technology, Inc
SOT23-5

MCP1253-ADJI/MS

Microchip Technology, Inc
MSOP8

MCP1700-3302E/TO

Microchip Technology, Inc
TO-92

MCP73832T-2AII/OT

Microchip Technology, Inc
SOT23-5

MCP120-450DI/TO

Microchip Technology, Inc
TO-92

MCP1525-I/TO

Microchip Technology, Inc
TO92

MCP1541T-I/TT

Microchip Technology, Inc
SOT23-3

MCP73831T-2DCI/OT

Microchip Technology, Inc
SOT23-5

MCP16311T-E/MS

Microchip Technology, Inc
MSOP8

MCP16331T-E/CH

Microchip Technology, Inc
SOT23-6

MCP1754ST-5002E/CB

Microchip Technology, Inc
SOT-23

MCP1754ST-3302E/CB

Microchip Technology, Inc
SOT-23