

HIGH VOLTAGE REGULATOR W/5.0V REGULATED POWER SUPPLY OUTPUT, -40C to +125C, 3-SOT-223, TUBE, Low Dropout (LDO) Regulators HI VLTG LDO 50 mA

Manufacturers	Microchip Technology, Inc
Package/Case	SOT-223-3
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP1790-5002E/DB or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

General Description

The MCP1790 is a 70 mA, ceramic output cap stable, high voltage, Low Dropout Regulator (LDO). The MCP1790 is capable of handling continuous input voltage of up to 30V and is load dump protect for up to 48V, making it especially suitable for automotive as well as 12V/24V industrial applications. The MCP1790 comes in thermally enhanced DDPAK-3 package as well as space-efficient SOT223-3 package. For shutdown and powergood options, see MCP1791

Features

Wide steady state supply voltage: 6.0V - 30.0V

48V (43.5V \pm 10%) load dump protected for 180ms with a 30 second repetition rate

70 mA output current

Low quiescent current: 70 μ A typical

Fixed output voltages: 3.0V, 3.3V, 5.0V

Extended Junction Temperature Range: -40 to +125°C

Output Voltage Tolerances of \pm 2.5% over the temperature range

Short Circuit Current Foldback

High PSRR, -90 dB@100 Hz (typical)



Related Products



[MCP1725-3302E/MC](#)

Microchip Technology, Inc
DFN-8



[MCP1702T-5002E/CB](#)

Microchip Technology, Inc
SOT-23



[MCP1700T-3002E/TT](#)

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[MCP1702T-2502E/CB](#)

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SOT-23A-3



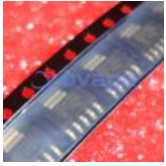
[MCP1700T-2502E/TT](#)

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SOT-23-3



[MCP73830T-2AAI/MYY](#)

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[MCP1703T-5002E/CB](#)

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SOT-23A-3