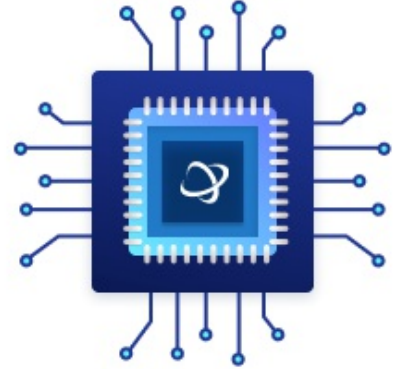


LDO Regulator Pos 0.5V to 5.5V 5A 8-Pin(7+Tab) SPAK T/R

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	SPAK-7
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MIC69502WR or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MIC69502 is a 5A, low dropout linear regulator that provides low-voltage, high-current outputs with a minimum of external components. It offers high precision and ultra-low dropout of 500mV under worst case conditions.

The MIC69502 operates from an input voltage of 1.65V to 5.5V. It is designed to drive digital circuits requiring low voltage at high currents (i.e. PLDs, DSP, microcontroller, etc.). The MIC69502 output is adjustable to a min of 0.5V.

The  $\mu$ Cap design of the MIC69502 is optimized for stability with low value, low-ESR ceramic output capacitors.

Protection features of the MIC69502 include thermal shutdown and current limit protection. Logic-enable and error flag pins are also available.

The MIC69502 is offered in the space-efficient S-Pak package. It has an operating temperature range of -40°C to +125°C.

## Features

Input voltage range: VIN: 1.65V to 5.5V

Maximum dropout (VIN - VOUT) of 500mV over temperature

Adjustable output voltage down to 0.5V

Stable with 10 $\mu$ F ceramic output capacitor (5A)

Excellent line and load regulation specifications

Logic controlled shutdown

Thermal shutdown and current limit protection

7-Pin S-Pak package

## Related Products



### [MIC94325YMT-TR](#)

Microchip Technology, Inc  
UDFN-6



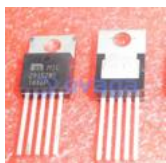
### [MIC2009A-1YM6-TR](#)

Microchip Technology, Inc  
SOT-23-6



### [MIC5841YWM-TR](#)

Microchip Technology, Inc  
SOIC-18



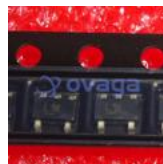
### [MIC29152WT](#)

Microchip Technology, Inc  
TO-220-5



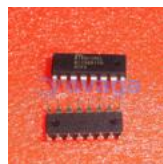
### [MIC4684YM](#)

Microchip Technology, Inc  
SOIC-8



### [MIC2090-1YM5-TR](#)

Microchip Technology, Inc  
SOT-23-5



### [MIC5891YN](#)

Microchip Technology, Inc  
PDIP-16



### [MIC5209YM](#)

Microchip Technology, Inc  
SOIC-8