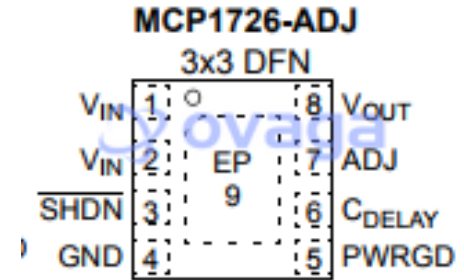


LDO Regulator Pos 0.8V to 5V 1A Automotive 8-Pin DFN EP T/R

Manufacturers	<a href="#">Microchip Technology, Inc</a>
Package/Case	DFN-8
Product Type	Power Management ICs
RoHS	Rohs
Lifecycle	



Images are for reference only

Please submit RFQ for MCP1726T-ADJE/MF or [Email to us: sales@ovaga.com](mailto:sales@ovaga.com) We will contact you in 12 hours.

[RFQ](#)

## General Description

The MCP1726 is a 1A, ceramic output cap stable, low output voltage Low Dropout Regulator (LDO) with shutdown and user-programmable delay power good functions. It is the ONLY 1A LDO on the market that incorporates shutdown, power good, and programmable power good delay features on a single device.

The MCP1726 is a 1A Low Dropout (LDO) linear regulator that provides high current and low output voltages in a very small package. The MCP1726 comes in a fixed (or adjustable) output voltage version, with an output voltage range of 0.8V to 5.0V. The 1A output current capability, combined with the low output voltage capability, make the MCP1726 a good choice for new sub-1.8V output voltage LDO applications that have high current demands.

<http://ww1.microchip.com/downloads/en/DeviceDoc/21926a.pdf>

## Features

Up to 1A output load current

Low dropout voltage 220 mV typical

Output voltage from 0.8V to 5.0V, both fixed and adjustable

Stable with 1.0 $\mu$ F ceramic output cap

Power good output with adjustable delay

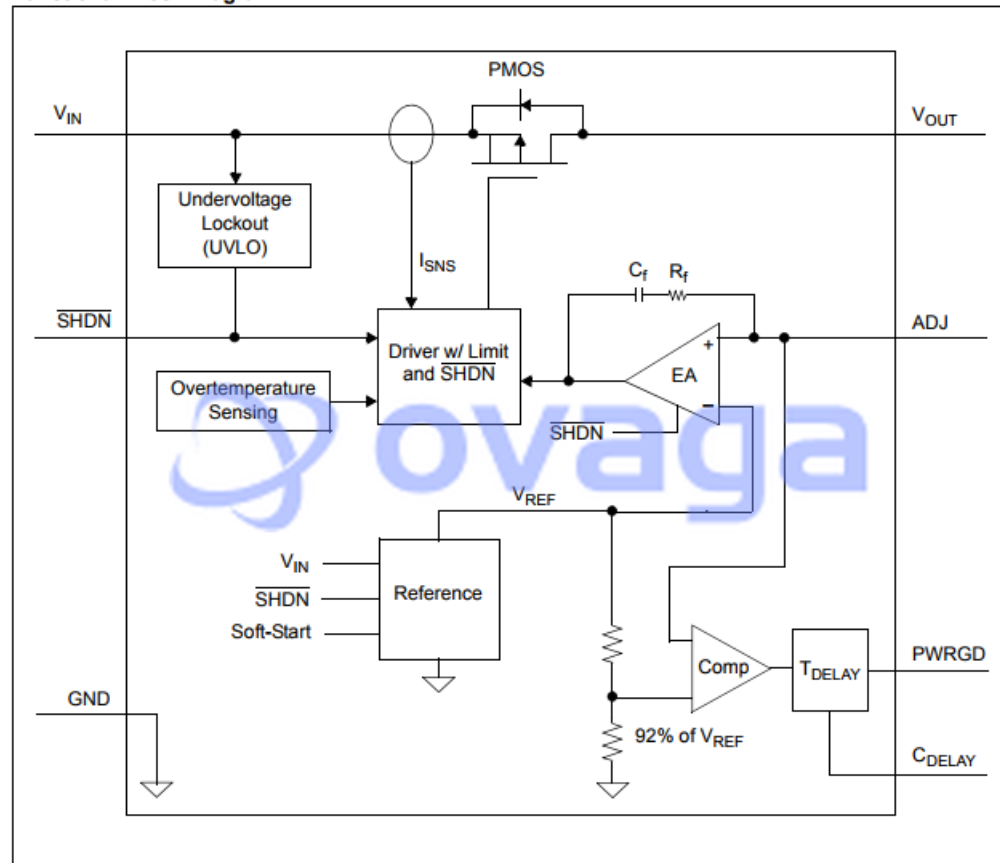
Low supply current 140  $\mu$ A typical

High PSRR: 54 dB at 100 kHz

Low shutdown current 0.001  $\mu$ A typical

DFN-8 3x3 and SO-8 Pb-free packages

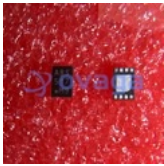
**Functional Block Diagram**



**MCP1726-ADJ**  
3x3 DFN

$V_{IN}$	1	0	8	$V_{OUT}$
$V_{IN}$	2	EP	7	ADJ
SHDN	3	9	6	$C_{DELAY}$
GND	4		5	PWRGD

## Related Products



[MCP1725-3302E/MC](#)

Microchip Technology, Inc  
DFN-8



[MCP1702T-2502E/CB](#)

Microchip Technology, Inc  
SOT-23A-3



[MCP1702T-5002E/CB](#)

Microchip Technology, Inc  
SOT-23



[MCP1700T-2502E/TT](#)

Microchip Technology, Inc  
SOT-23-3



[MCP1700T-3002E/TT](#)

Microchip Technology, Inc  
SOT-23-3



[MCP73830T-2AAI/MYY](#)

Microchip Technology, Inc  
TDFN-6



[MCP1826T-ADJE/DC](#)

Microchip Technology, Inc  
SOT-223-5



[MCP1703T-5002E/CB](#)

Microchip Technology, Inc  
SOT-23A-3