
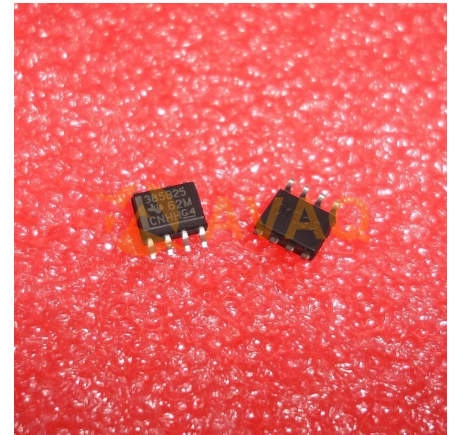


## V-Ref Precision 2.5V 20mA 8-Pin SOIC T/R

<b>Manufacturer:</b>	<a href="#">Texas Instruments, Inc</a>
<b>Package/Case:</b>	SOP8
<b>Product Type:</b>	Power Management ICs
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	Active



Images are for reference only

[Inquiry](#)

## General Description

The LMx85-2.5 and LM385B are micropower, two-terminal, band-gap voltage references that operate over a 20- $\mu$ A to 20-mA current range and feature exceptionally low dynamic impedance and good temperature stability. On-chip trimming provides tight voltage tolerance. The band-gap reference for these devices has low noise and long-term stability.

The design makes these devices exceptionally tolerant of capacitive loading and, thus, easier to use in most reference applications. The wide dynamic operating temperature range accommodates varying current supplies, with excellent regulation.

The extremely low power drain of this series makes these devices useful for micropower circuitry. These voltage references can be used to make portable meters, regulators, or general-purpose analog circuitry, with battery life approaching shelf life. The wide operating current range of these voltage references allows them to replace older references with tighter-tolerance parts.

## Key Features

Operating Current Range 20  $\mu$ A to 20 mA

1.5% and 3% Initial Voltage Tolerance

Reference Impedance

LM385 1  $\Omega$  Maximum at 25°C

All Devices 1.5  $\Omega$  Maximum Over Full Temperature Range

Very Low Power Consumption

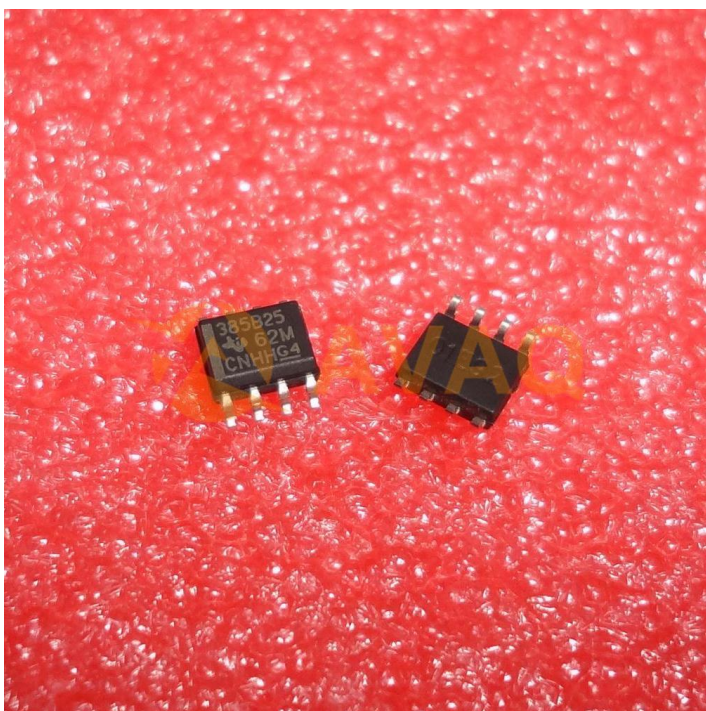
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## Recommended For You

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### LM2637M

Texas Instruments, Inc

SOP24

### LM5116MH

Texas Instruments, Inc

TSSOP20

### LM234Z-3

Texas Instruments, Inc

TO-92

**LM27761DSGR**

Texas Instruments, Inc  
WSO8

**LM74700QDBVRQ1**

Texas Instruments, Inc  
SOT23-6

**LM2991S**

Texas Instruments, Inc  
TO-263

**LM74800QDRRRQ1**

Texas Instruments, Inc  
WSO8-12

**LMR14030SDDAR**

Texas Instruments, Inc  
SOP8

**LM2940CT-12**

Texas Instruments, Inc  
TO-220

**LM536035QPWPTQ1**

Texas Instruments, Inc  
HTSSOP-16

**LM5575MH**

Texas Instruments, Inc  
TSSOP16

**LM536013QDSXTQ1**

Texas Instruments, Inc  
WSO8-10

**LM5160QPWPRQ1**

Texas Instruments, Inc  
HTSSOP14

**LM5576MH**

Texas Instruments, Inc  
TSSOP20

**LMQ61460AFSQRJRRQ1**

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VQFN-14