

Driver 4A 1-OUT Low Side Inv/Non-Inv 5-Pin SOT-23 T/R**Manufacturer:** [Texas Instruments, Inc](#)**Package/Case:** SOT23-5**Product Type:** Drivers**RoHS:** RoHS Compliant/Lead free **Lifecycle:** Active

Images are for reference only

[Inquiry](#)**General Description**

The TL4051 series of shunt voltage references are versatile easy-to-use references suitable for a wide array of applications. The device is available in a fixed 1.225-V output or an adjustable output whose voltage is determined by an external resistor divider. The device requires no external capacitors for operation and is stable with all capacitive loads. Additionally, the reference offers low dynamic impedance, low noise, and low temperature coefficient to ensure a stable output voltage over a wide range of operating currents and temperatures.

The TL4051 is offered in three initial tolerances, ranging from 0.1% (max) for the A grade to 0.5% (max) for the C grade. Thus, a great deal of flexibility is offered to designers in choosing the best cost-to-performance ratio for their applications. Packaged in the space-saving SOT-23-3 and SC-70 packages and requiring a minimum current of 45 μ A (typ), the TL4051 also is ideal for portable applications.

The TL4051xI is characterized for operation over an ambient temperature range of -40°C to 85°C. The TL4051xQ is characterized for operation over an ambient temperature range of -40°C to 125°C.

Key Features

1.225-V Fixed and Adjustable (1.225-V to 10-V) Outputs

Tight Output Tolerances and Low Temperature Coefficient
Max 0.1%, 50 ppm/°C — A Grade

Max 0.2%, 50 ppm/°C — B Grade

Max 0.5%, 50 ppm/°C — C Grade

Low Output Noise. . 20 μ V_{RMS} (Typ)

Wide Operating Current Range. . .60 μ A (Typ) to 12 mA

Stable With All Capacitive Loads; No Output Capacitor Required

Available in

Industrial Temperature: -40°C to 85°C

Extended Temperature: . . -40°C to 125°C

Applications

Data-Acquisition Systems

Power Supplies and Power-Supply Monitors

Instrumentation and Test Equipment

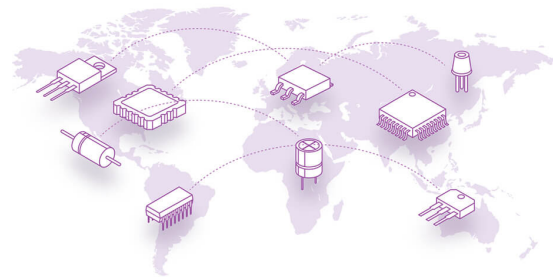
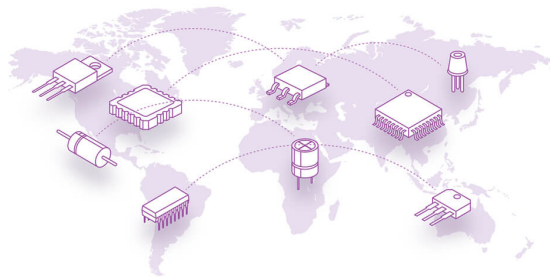
Process Control

Precision Audio

Automotive Electronics

Energy Management/Metering

Battery-Powered Equipment



Recommended For You

UCC28064ADR

Texas Instruments, Inc
SOP16

UC3637N

Texas Instruments, Inc
DIP-18

UCC2946TPWRQ1

Texas Instruments, Inc
TSSOP8

UCC28730QDRQ1

Texas Instruments, Inc
SOP7

UCC21222QDRQ1

Texas Instruments, Inc
SOP16

UCD9090QRGZRQ1

Texas Instruments, Inc
VQFN-48

UCC27531QDBVRQ1

Texas Instruments, Inc
SOT23-6

UCC27511AQDBVRQ1

Texas Instruments, Inc
SOT23-6

UCC2803QDRQ1

Texas Instruments, Inc
SOP8

UCC28951QPWRQ1

Texas Instruments, Inc
TSSOP24

UCC21320QDWKRQ1

Texas Instruments, Inc
SOIC-14

UCC27322QDGNRQ1

Texas Instruments, Inc
HVSSOP-8

UCC28950QPWRQ1

Texas Instruments, Inc
TSSOP24

UCC2808AQDR-2Q1

Texas Instruments, Inc
SOP8

UCC27524AQDRQ1

Texas Instruments, Inc
SOP8