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# **REF194ESZ**

Data Sheet

<u>RFO</u>

Voltage Reference, Pre	cision Micropower, Series - Fixed, REF194 Series, 4.5V, NSOIC-8	
Manufacturers	Analog Devices, Inc	
Package/Case	SOIC-8	
Product Type	Power Management ICs	AFT AFT OF DESIGN
RoHS	Rohs	
Lifecycle		Images are for reference only

### **General Description**

The REF19x series precision band gap voltage references use a patented temperature drift curvature correction circuit and laser trimming of highly stable, thin-film resistors to achieve a very low temperature coefficient and high initial accuracy.

The REF19x series is made up of micropower, low dropout voltage (LDV) devices, providing stable output voltage from supplies as low as 100 mV above the output voltage and consuming less than 45  $\mu$ A of supply current. In sleep mode, which is enabled by applying a low TTL or CMOS level to the SLEEP pin, the output is turned off and supply current is further reduced to less than 15  $\mu$ A.

The REF19x series references are specified over the extended industrial temperature range ( $-40^{\circ}$ C to  $+85^{\circ}$ C) with typical performance specifications over  $-40^{\circ}$ C to  $+125^{\circ}$ C for applications, such as automotive.

Please submit RFQ for REF194ESZ or Email to us: sales@ovaga.com We will contact you in 12 hours.

All electrical grades are available in an 8-lead SOIC package; the PDIP and TSSOP packages are available only in the lowest electrical grade.

### Features

Initial Accuracy: ±2 mV Max

Temperature Coefficient: 5 ppm/°C Max

Low Supply Current: 45  $\mu$ A Max

Sleep Mode: 15  $\mu$ A Max

Low Dropout Voltage

Load Regulation: 4 ppm/mA

Line Regulation: 4 ppm/V

High Output Current: 30 mA

Short-Circuit Protection

## Application

Portable instruments

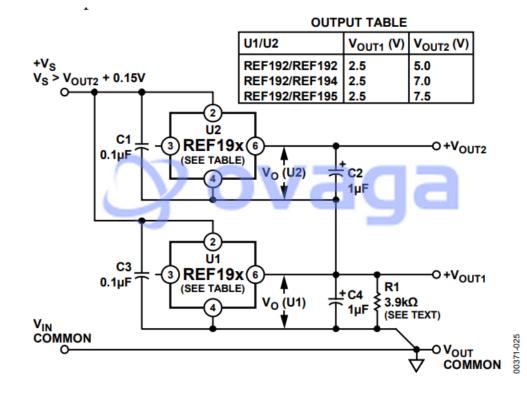
ADCs and DACs

Smart sensors

Solar powered applications

Loop-current-powered instruments





#### **Related Products**



REF02CPZ Analog Devices, Inc

DIP8



REF192GRUZ Analog Devices, Inc TSSOP-8



ADP5071AREZ Analog Devices, Inc TSSOP-20



REF198ESZ Analog Devices, Inc SOIC-8



ADP3336ARMZ-REEL7

Analog Devices, Inc MSOP-8



REF192FSZ

Analog Devices, Inc SOIC-8

#### ADM811TARTZ-REEL7

Analog Devices, Inc SOT23

AD1580BRTZ-REEL7

Analog Devices, Inc SOT-23