

Complete Data Sheet available via web, Harris' home page: <http://www.semi.harris.com> or via Harris AnswerFAX, see Section 17

August 1997

## Low Voltage Reference

### Features

- **Low Bias Current (Min)** .....50 $\mu$ A
- **Low Dynamic Impedance**
- **Low Reverse Voltage**
- **Low Cost**

### Description

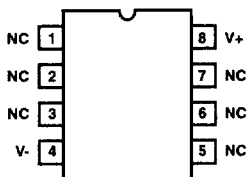
The ICL8069 is a 1.2V temperature-compensated voltage reference. It uses the band-gap principle to achieve excellent stability and low noise at reverse currents down to 50 $\mu$ A. Applications include analog-to-digital converters, digital-to-analog converters, threshold detectors, and voltage regulators. Its low power consumption makes it especially suitable for battery operated equipment.

### Ordering Information

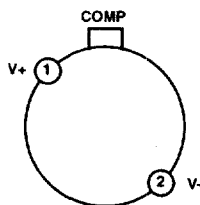
PART NUMBER	MAXIMUM TEMPCO	TEMP. RANGE (°C)	PACKAGE	PKG. NO.
ICL8069CCZR	0.005%/°C	0 to 70	SIP Package (TO-92)	Z3.05
ICL8069CCSQ	0.005%/°C	0 to 70	Metal Can Package (TO-52)	T2.A
ICL8069DCZR	0.01%/°C	0 to 70	SIP Package (TO-92)	Z3.05
ICL8069DCSQ	0.01%/°C	0 to 70	Metal Can Package (TO-52)	T2.A
ICL8069CCBA	0.005%/°C	0 to 70	8 Ld SOIC	M8.15
ICL8069DCBA	0.01%/°C	0 to 70	8 Ld SOIC	M8.15
ICL8069CMSQ	0.005%/°C	-55 to 125	Metal Can Package (TO-52)	T2.A
ICL8069DMSQ	0.01%/°C	-55 to 125	Metal Can Package (TO-52)	T2.A

### Pinouts

ICL8069  
(SOIC)  
TOP VIEW



ICL8069  
(METAL CAN TO-52)  
TOP VIEW



ICL8069  
(SIP TO-92)  
TOP VIEW

