

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

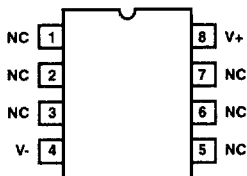
The ICL8069 is a 1.2V temperature-compensated voltage reference. It uses the band-gap principle to achieve excellent stability and low noise at reverse currents down to 50 $\mu$ A. Applications include analog-to-digital converters, digital-to-analog converters, threshold detectors, and voltage regulators.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

### Ordering Information

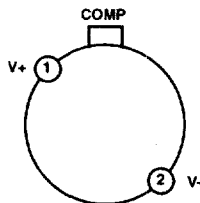
| PART NUMBER | MAXIMUM TEMPCO       | TEMP. RANGE ( $^{\circ}$ C) | PACKAGE                   | PKG. NO. |
|-------------|----------------------|-----------------------------|---------------------------|----------|
| ICL8069CCZR | 0.005%/ $^{\circ}$ C | 0 to 70                     | SIP Package (TO-92)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

