

62094
**UNIVERSAL VOLTAGE HERMETIC LED INDICATOR
CURRENT LIMITED INDICATOR IN TO-46**

**OPTOELECTRONIC PRODUCTS
DIVISION**
Features:

- Hermetically sealed
- Choice of colors: Red, Yellow, Green
- Panel mount versions include mounting hardware
- Designed for high-reliability applications

Applications:

- P.C. board fault indicators
- Logic status indicator
- Binary data display
- Power supply on/off indicator

DESCRIPTION

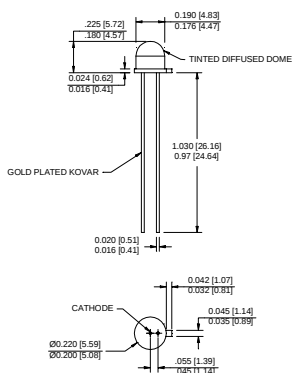
These indicators are hermetically sealed in TO-46 packages. A tinted diffused dome lens provides good on-off contrast and a wide viewing angle. The red and yellow indicators utilize a high efficiency GaAsP on GaP LED, while green utilizes a GaP on GaP LED. Panel mount versions with wire wrappable leads are also available including the necessary hardware. All versions are available in standard or screened to JANTX levels.

ABSOLUTE MAXIMUM RATINGS

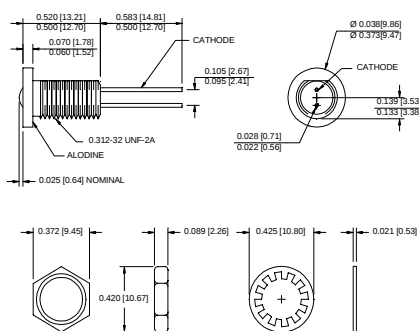
Reverse Voltage	5.0 Vdc
Forward Voltage	30 Vdc
Continuous power dissipation (Note 1)	250 mW
Operating temperature range	-55° to + 100°C
Storage temperature range	-65° to + 100°C
Lead Soldering Temperature (1/16 inch [1.66mm] from case for 10 sec. with soldering iron)	240°C

Notes:

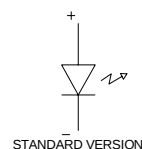
1. Derate linearly 3.3 mW/°C above 25°C.

Package Dimensions


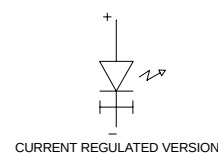
ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]



- NOTES:
1. ALL EXTERNAL METAL SURFACES OF THE PACKAGE ARE BLACK ANODIZED EXCEPT FOR THE ALDORNE AREA OF THE FLANGE AND THE GOLD-PLATED LEADS.
 2. MOUNTING HARDWARE WHICH INCLUDES ONE LOCK WASHER AND ONE HEX NUT IS INCLUDED WITH EACH PANEL MOUNTABLE HERMETIC SOLID STATE LAMP.

Schematic Diagram


STANDARD VERSION



CURRENT REGULATED VERSION

OPTICAL/ELECTRICAL CHARACTERISTICS AT 25°C UNLESS OTHERWISE STATED

COLOR	PART NUMBER TO-46*	PART NUMBER TO-PANEL MOUNT
Red	62094-10X	62094-11X
Yellow	62094-20X	62094-21X
Green	62094-30X	62094-31X

COLOR	PART NUMBER	TEST CONDITION	PARAMETER LIMIT		
		I _F (MIN-MAX)	V _F	I _V MIN	PEAK λ TYP
Red	62094-1X	3.5 - 8.0 mA	5 - 30 Vdc	5 mcd	635nm
Yellow	62094-2X	3.5 - 8.0 mA	5 - 30 Vdc	5 mcd	585nm
Green	62094-3X	3.5 - 8.0 mA	5 - 30 Vdc	5 mcd	570nm

*Last Digit in dash # indicates quality level:

-XX4 = Screened to JANTX level

-XX5 = Commercial