

62035**1N6092
1N6093
1N6094****JAN AND JANTX QUALIFIED,
HERMETIC LED INDICATORS**

04/27/2012

Features:

- Hermetically sealed
- Choice of colors (Red, Yellow, Green)
- Wide Viewing Angle
- Designed for Hi-Reliability applications
- DLA qualified

Applications:

- P.C. Board Fault Indicator
- Logic Status Indicator
- Binary Data Display
- Power supply on/off indicator

DESCRIPTION

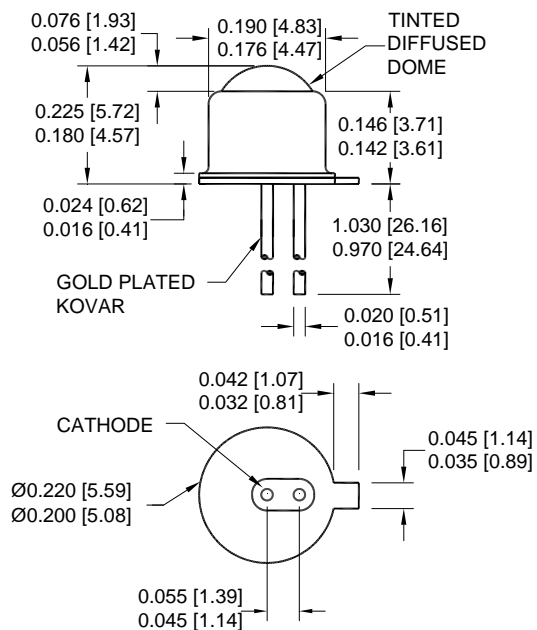
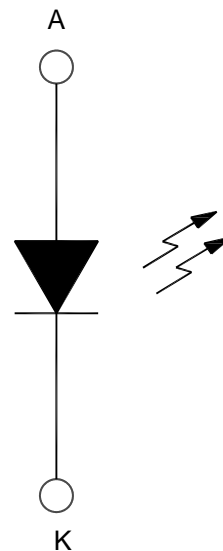
The **1N6092**, **1N6093** and **1N6094** series indicators are hermetically sealed in TO-46 packages. A tinted diffused dome lens provides good on/off contrast and a wide viewing angle. The 1N6092 (red) and 1N6093 (yellow) indicators utilize a high efficiency GaAsP on GaP LED, while the 1N6094 (green) indicator utilizes a GaP on GaP LED. Each type uses a colored diffused plastic lens over a glass window. All versions are available in standard, JAN or JANTX screened levels.

ABSOLUTE MAXIMUM RATINGS

Reverse Voltage	5 Vdc
Power Dissipation (Note 1)	120 mW
Forward Current-Continuous	35 mA
Storage Temperature.....	-65°C to +100°C
Operating Temperature	-55°C to +100°C
Lead Soldering Temperature (10 seconds, 1/16" from case)	260°C

NOTES:

1. Derate at the rate of 1.6 mW/°C above 50°C.

Dimensions**Schematic Diagram**

ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]

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1N6094

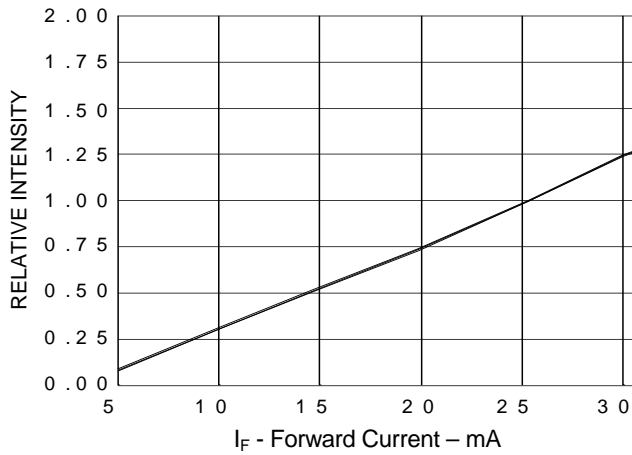
JAN AND JANTX QUALIFIED, HERMETIC LED INDICATORS

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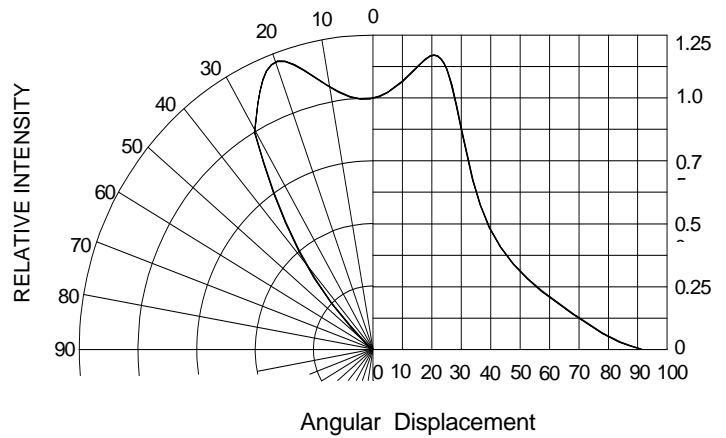
ELECTRICAL/OPTICAL CHARACTERISTICS TA=25°C

PART NUMBER	COLOR	TEST CONDITION	PARAMETER LIMITS				
			I_F mA	PEAK λ TYP.	$I_{V1} \theta = 0^\circ$ MIN.	$I_{V2} \theta = 30^\circ$ MIN.	V_F MAX.
62035-1XX	RED	20	635	3 mcd	1.5 mcd.	3 V	100 pF
62035-2XX	YELLOW	20	585	3 mcd	1.5 mcd.	3 V	100 pF
62035-3XX	GREEN	20	570	3 mcd	1.5 mcd.	3 V	100 pF

**Relative Luminous Intensity
vs
Forward Current
(Normalized at 20 mA)**



**Relative Luminous Intensity
vs.
Angular Displacement**



RECOMMENDED OPERATING CONDITIONS:

PARAMETER	SYMBOL	MIN	MAX	UNITS
Forward	I_F	20	35	mA
Operating Temperature	T_A	-65	+100	°C

SELECTION GUIDE

PART NUMBER	PART DESCRIPTION	CONTROLLING MIL DOCUMENT
62035-101	Commercial, Red LED, TO-46	1N6092
62035-102	JAN Screened, Red LED, TO-46	JAN1N6092
62035-103	JANTX Screened, Red LED, TO-46	JANTX1N6092
62035-201	Commercial, Yellow LED, TO-46	1N6093
62035-202	JAN Screened, Yellow LED, TO-46	JAN1N6093
62035-203	JANTX Screened, Yellow LED, TO-46	JANTX1N6093
62035-301	Commercial, Green LED, TO-46	1N6094
62035-302	JAN Screened, Green LED, TO-46	JAN1N6094
62035-303	JANTX Screened, Green LED, TO-46	JANTX1N6094