

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.

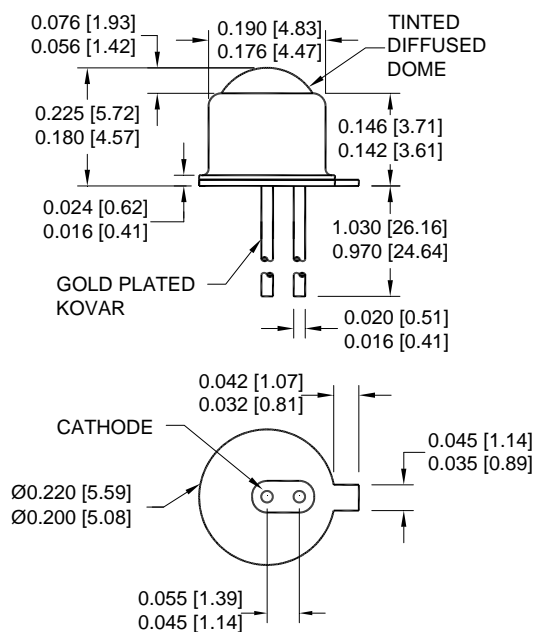
**ABSOLUTE MAXIMUM RATINGS**

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

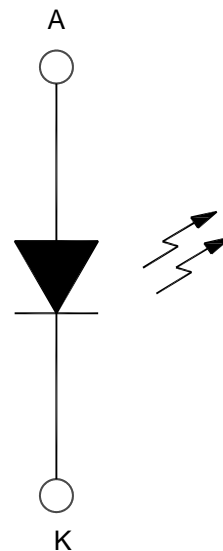
**NOTES:**

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

**Dimensions**



**Schematic Diagram**



ALL DIMENSIONS ARE IN INCHES [MILLIMETERS]

**62035**      **1N6092**  
**1N6093**  
**1N6094**

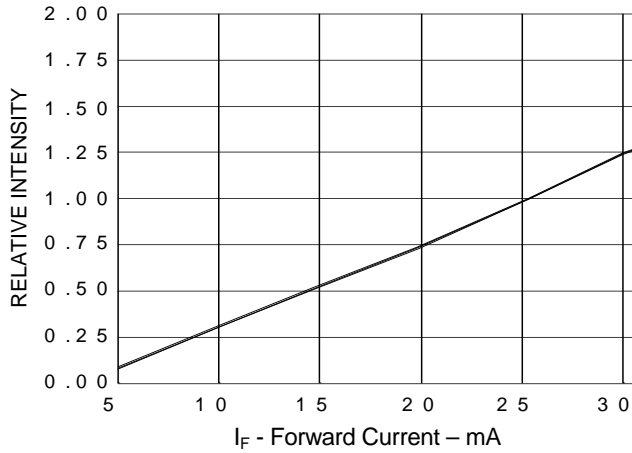
JAN AND JANTX QUALIFIED, HERMETIC LED INDICATORS

04/27/2012

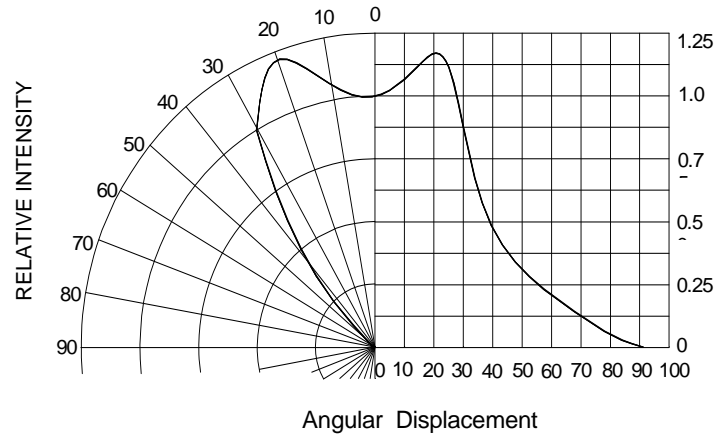
**ELECTRICAL/OPTICAL CHARACTERISTICS TA=25°C**

PART NUMBER	COLOR	TEST CONDITION	PARAMETER LIMITS				
			$I_F$ mA	PEAK $\lambda$ 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