

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

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

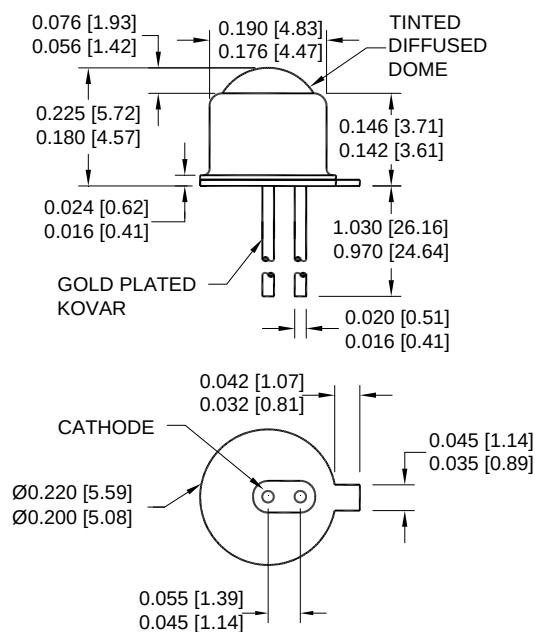
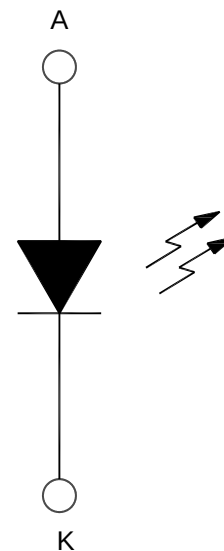
The **1N6092**, **1N6093** and **1N6094** series indicators are hermetically sealed in TO-46 packages. A tinted diffused dome lens provides good on/off contrast and a wide viewing angle. The 1N6092 (red) and 1N6093 (yellow) indicators utilize a high efficiency GaAsP on GaP LED, while the 1N6094 (green) 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

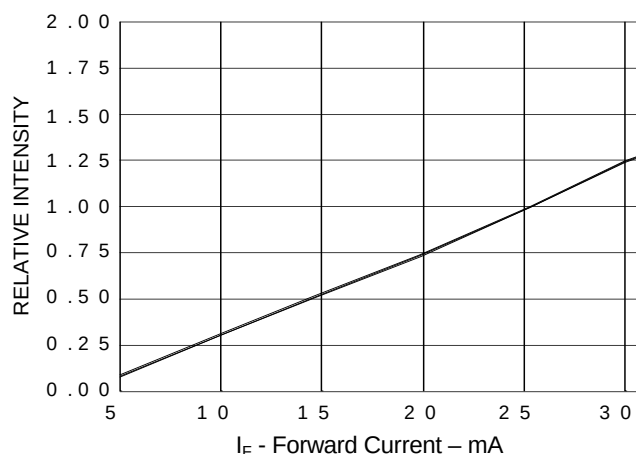
PART NUMBER	COLOR	TEST CONDITION	PARAMETER LIMITS				
		I_F	PEAK λ	$I_{V1} \theta = 0^\circ$	$I_{V2} \theta = 30^\circ$	V_F	C
		mA	TYP.	MIN.	MIN.	MAX.	MAX.
62035-1XX	RED	20	635	3 mcd	1.5 mcd.	3 V	100 pF
62035-2XX	YELLOW	20	585	3 mcd	1.5 mcd.	3 V	100 pF
62035-3XX	GREEN	20	570	3 mcd	1.5 mcd.	3 V	100 pF

Relative Luminous Intensity

vs

Forward Current

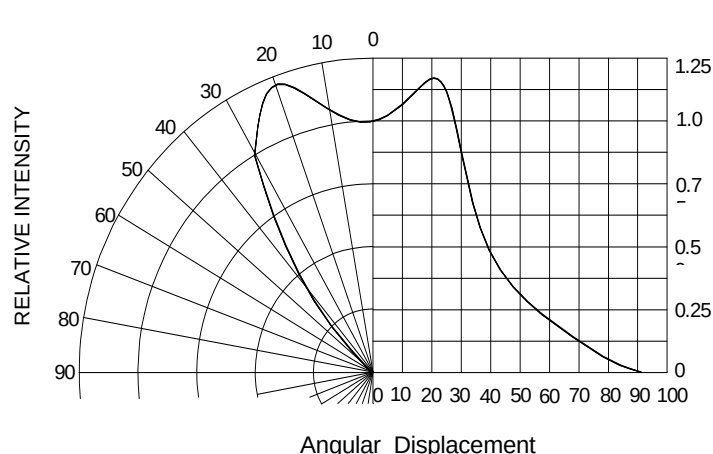
(Normalized at 20 mA)



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