

62072**BI-COLOR HERMETIC LED INDICATORS**
**OPTOELECTRONIC PRODUCTS
DIVISION**
Features:

- Sunlight viewable
- Hermetically sealed
- Choice of colors (Red, Yellow, Green)
- Panel Mount versions with wire wrappable leads
- Designed for Hi-Reliability applications

Applications:

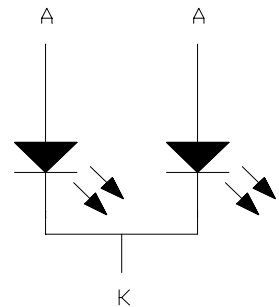
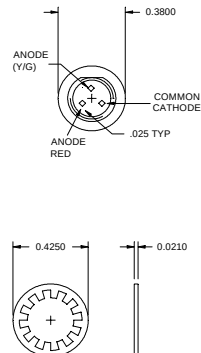
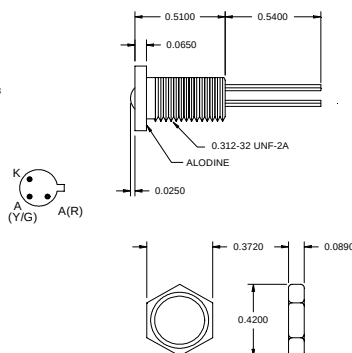
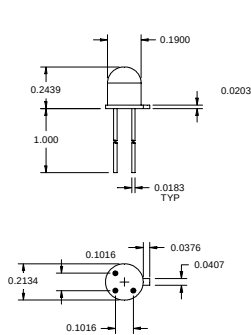
- P.C. Board Fault Indicator
- Logic Status Indicator
- Binary Data Display
- Power supply on/off indicator

DESCRIPTION

The **62072** series indicators are hermetically sealed in TO-46 packages with a diffused dome lens which provides improved viewability in bright sunlight. The RED and YELLOW indicators utilize a high efficiency GaAsP on GaP LED, while the GREEN indicator utilizes a GaP on GaP LED. Panel mount versions with wire wrap leads are available including necessary mounting hardware. All versions available in standard or JANTX screened levels.

ABSOLUTE MAXIMUM RATINGS

Storage Temperature	-65°C to +100°C
Operating Temperature.....	-55°C to +100°C
Reverse Voltage	5Vdc
Power Dissipation (Derate at the rate of 2.4 mW/°C above 50°C)	120mW
Forward Current-Continuous	35mA
Lead Soldering Temperature (1/16" (1.6mm) from case for 10 seconds).....	260°C
Maximum Insertion Torque (Panel mount version).....	25in•lbs

Indicator Dimensions**Panel Mount Dimensions****Schematic Diagram**

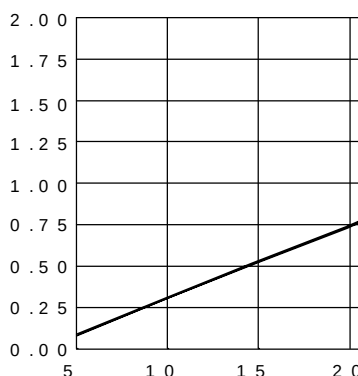
ELECTRICAL CHARACTERISTICS

 $T_A = 25^\circ\text{C}$ unless otherwise specified.

PART NUMBER	COLOR	TEST CONDITION	PARAMETER LIMITS				
			PEAK λ	$I_{V1\theta=0^\circ}$	$I_{V2\theta=30^\circ}$	V_F	C
		I_F					
		mA	TYP.	MIN.	MIN.	MAX.	MAX.
62072	RED	20	635	3 mcd	1.5 mcd.	3V	100 pF
62072	YELLOW	20	585	3 mcd	1.5 mcd.	3V	100 pF
62072	GREEN	20	570	3 mcd	1.5 mcd.	3V	100 pF

RED/YELLOW

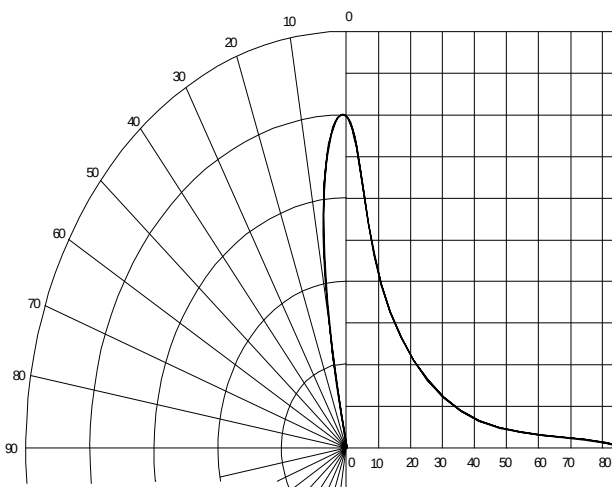
I_F - Forward Current - mA
 Relative Luminous Intensity
 vs
 Forward Current
 (Normalized at 20mA)



GREEN

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

Relative Luminous Intensity vs. Angular Displacement



RECOMMENDED OPERATING CONDITIONS

PARAMETER	SYMBOL	MIN	MAX	UNITS
Forward Current	I_F	20	35	mA (1)
Operating Temperature	T_A	-55	+100	$^\circ\text{C}$

NOTES:

1. Per LED

SELECTION GUIDE

PART NUMBER	PART DESCRIPTION
62072-201	Yellow/Red LED indicator, commercial (0° to 70°C)
62072-203	Yellow/Red LED indicator, with JTX screening
62072-211	Yellow/Red LED indicator, panel mount version, commercial (0° to 70°C)
62072-213	Yellow/Red LED indicator, panel mount version, with JTX screening
62072-301	Green/Red LED indicator, commercial (0° to 70°C)
62072-303	Green/Red LED indicator, with JTX screening
62072-311	Green/Red LED indicator, panel mount version, commercial (0° to 70°C)
62072-313	Green/Red LED indicator, panel mount version, with JTX screening
62072-401	Yellow/Green LED indicator, commercial (0° to 70°C)
62072-403	Yellow/Green LED indicator, with JTX screening
62072-411	Yellow/Green LED indicator, panel mount version, commercial (0° to 70°C)
62072-413	Yellow/Green LED indicator, panel mount version, with JTX screening