

62069**HI BRITE HERMETIC LED INDICATORS****OPTOELECTRONIC PRODUCTS
DIVISION****Features:**

- Sunlight viewable
- Front or Rear Mountable
- Hermetic LED – JANTX screened
- Choice of colors: red, yellow or green
- Designed for high-reliability applications

Applications:

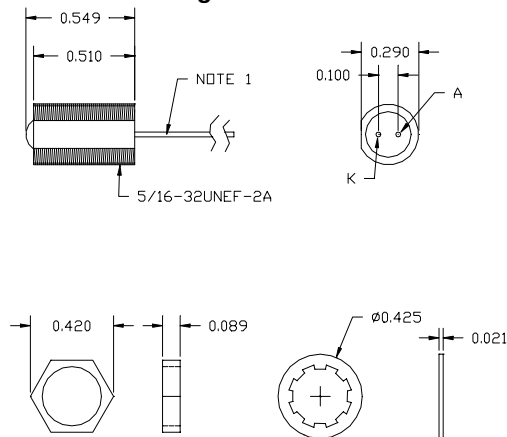
- Fault indicator
- On / Off indicator
- Logic status indicator
- Binary data display

DESCRIPTION

The 62069 rear mount panel indicators are constructed with a hermetically sealed LED in a rugged, black anodized housing. The LED is JANTX screened in accordance with MIL-PRF-19500 / 519, 520, or 521 as applicable. (Refer to 1N6609, 1N6610 and 1N6611 data sheets for more information). The unique style allows mounting from the front or rear and comes complete with mounting hardware. Color-coded insulated wires exit the housing providing ample length for installation.

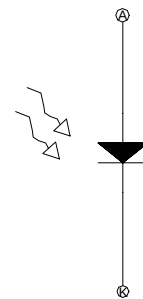
ABSOLUTE MAXIMUM RATINGS

Storage Temperature.....-65°C to 100°C
Operating Temperature-55°C to 100°C
Reverse Voltage.....5VDC
Continuous Forward Current.....35mA
Power Dissipation.....120mW

Package Dimensions

ALL DIMENSIONS ARE IN INCHES
TOLERANCE +/- .005

NOTE 1
INSULATED WIRE 10" MIN. LENGTH
WHITE- CATHODE RED-ANODE

Schematic Diagram

COLOR	PANEL MOUNT P/N	LED P/N (REF. ONLY)	CONTROLLING MIL DOCUMENT
Red	62069-112	JANTX 1N6609	MIL-PRF-19500/519
Yellow	62069-212	JANTX 1N6610	MIL-PRF-19500/520
Green	62069-312	JANTX 1N6611	MIL-PRF-19500/521

NOTES: Unless otherwise specified.

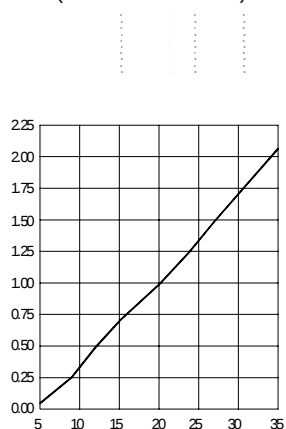
1. Outside corners to be broken .010 Max.
2. Inside corners may be broken .010 Max.
3. Holes may be C'Sunk .005 Max.
4. Break all sharp edges.
5. Threads per FED-STD-H-28.

ELECTRICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PART NUMBER	COLOR	TEST CONDITION	PARAMETER LIMITS			
			PEAK λ	$I_{V1\theta} = 0^\circ$	V_F	C
		I_F				
		mA	TYP.	MIN.	MAX.	MAX.
1N6609 M19500/519	RED	20	635	20 mcd	3V	100pF
1N6610 M19500/520	YELLOW	20	585	20 mcd	3V	100pF
1N6611 M19500/521	GREEN	20	570	20 mcd	3V	100pF

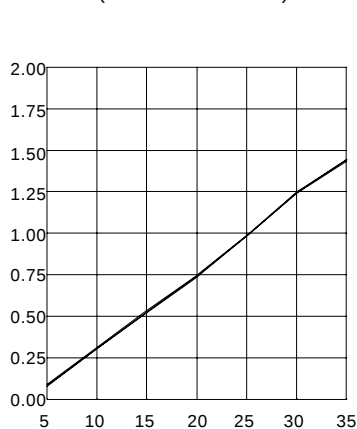
RED/YELLOW

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

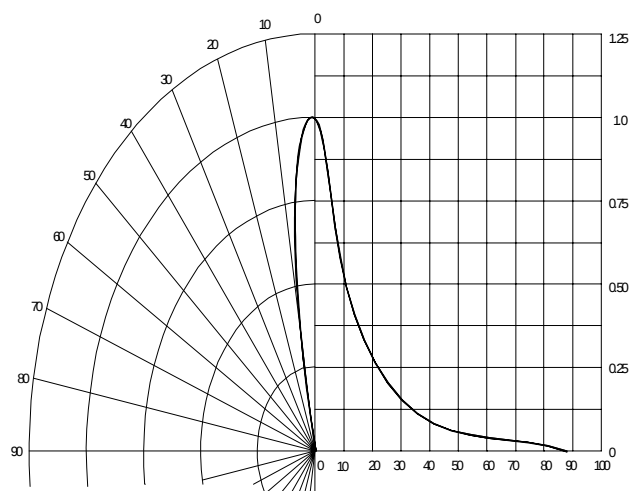
 I_F - Forward Current - mA

GREEN

Relative Luminous Intensity
vs
Forward Current
(Normalized at 25mA)

 I_F - Forward Current - mA

Relative Luminous Intensity vs. Angular Displacement



RECOMMENDED OPERATING CONDITIONS:

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

SELECTION GUIDE

PART NUMBER	PART DESCRIPTION
62069-111	Rear mount panel mount, commercial red, with wire wrap leads
62069-211	Rear mount panel mount, commercial yellow, with wire wrap leads
62069-311	Rear mount panel mount, commercial green, with wire wrap leads
62069-122	Rear mount panel mount, JTX screened, red with insulated leads
62069-222	Rear mount panel mount, JTX screened, yellow with insulated leads
62069-322	Rear mount panel mount, JTX screened, green with insulated leads

NOTE:

1. JAN Quality level is designated by adding -01 to part #.
2. JANTX Quality level is designated by adding -02 to part #.