

120v-140v AC/DC 16mm PILOT LIGHT w/LED

MWPLSR16-X130-X

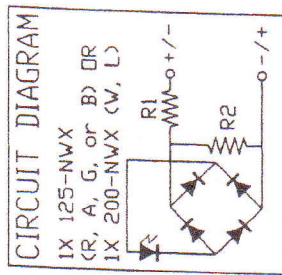
REPLACES GE ET-16

ELECTRO-OPTICAL CHARACTERISTICS @ Ta = 25°C

SYM	PARAMETER	X = LED COLOR				
		RED	AMBER	GREEN	BLUE	WHITE
Iv	TYP. LUMINOUS INTENSITY V/D LENS @ If=20mA	2180	2180	2300	700	2500
V0	OPERATING VOLTAGE RANGE	120-140 AC/DC				
If	TYP. FORWARD CURRENT @ Vf=120V	7.1-7.3				
I _{max}	MAX. FORWARD CURRENT @ Vf=130V	8.0	8.0	4.2	4.2	4.2
V _{br}	REVERSE BREAKDOWN @ If=100uA	-	-	-	-	-
λ _{pk}	PEAK WAVELENGTH	634	592	520	465	-
λ _d	DOMINANT WAVELENGTH	629	590	525	470	-

ABSOLUTE MAX. RATINGS Ta=25°C

PARAMETER	VALUE		UNIT
	R & A	G, B, V, L	
POWER DISSIPATION	1040	546	mW
DERATE/C >Ta	15.6	8.2	mW
OPERATING VOLTAGE	140 AC/DC		V
OPERATING TEMPERATURE	-40<+100	-30<+85	°C
STORAGE TEMPERATURE	-40<+100	-40<+100	°C

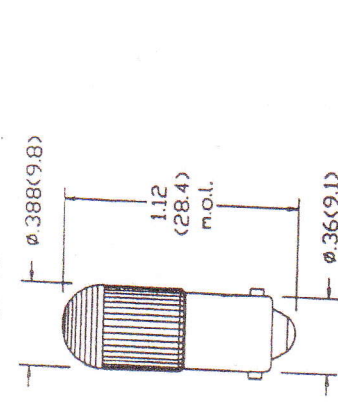


REMARKS:

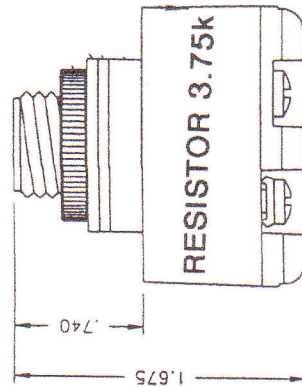
- Dimensions are in inches(mm).
- The lens is clear-tinted with a Fresnel pattern.
- This device is immune to peak noise current of 1mA.
- Caution! GaInN LEDs are class I ESD sensitive (MIL-STD-1686). Exceeding absolute maximum ratings may cause damage to, or possibly result in catastrophic failure of these devices. Use appropriate ESD precautions during handling and operation.

LED LAMP

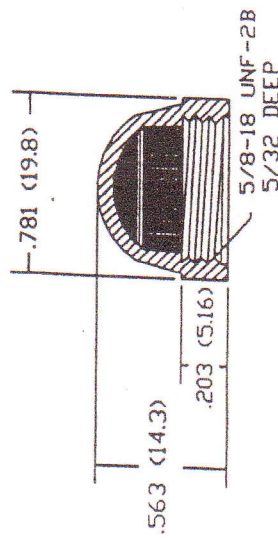
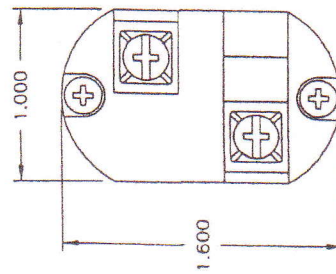
28v BI-POLAR



PILOT LIGHT



LENS



FRESNEL LENS ON
INSIDE SURFACE

MID/WEST COMPANY, LLC

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48v AC/DC 16mm PILOT LIGHT w/LED

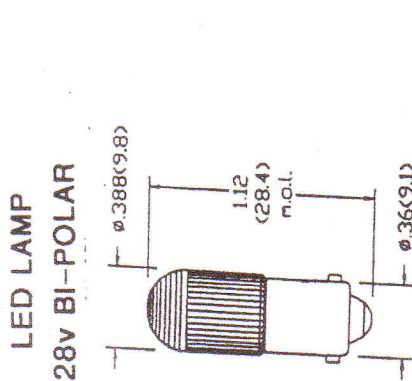
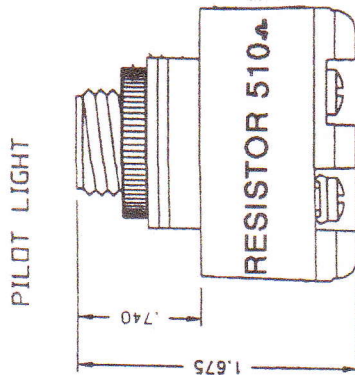
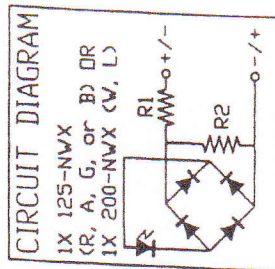
MWPLSR16-X48-X

REPLACES GE ET-16

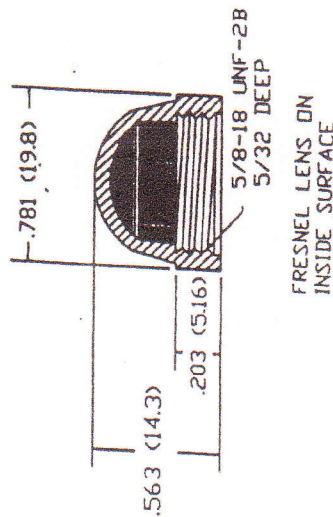
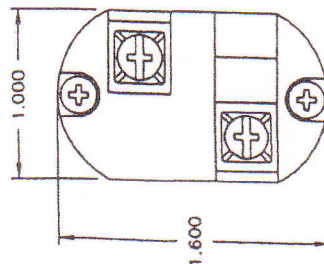
SYM	PARAMETER	X = LED COLOR				UNIT
		RED	AMBER	GREEN	BLUE	WHITE
I_v	TYP. LUMINOUS INTENSITY w/o LENS @ $I_f=20mA$	2180	2180	1000	300	1100
V_o	OPERATING VOLTAGE	48	48	48	48	48
I_f	TYP. FORWARD CURRENT @ $V_f=48V$	10.4~10.9				9.0~9.6
I_{nx}	MAX. FORWARD CURRENT @ $V_f=52V$	12.0	12.0	10.5	10.5	10.5
V_{br}	REVERSE BREAKDOWN @ $I_r=100\mu A$	-	-	-	-	-
λ_{pk}	PEAK WAVELENGTH	634	592	520	465	-
λ_D	DOMINANT WAVELENGTH	629	590	525	470	-

ABSOLUTE MAX. RATINGS $T_a=25^\circ C$

PARAMETER	VALUE		UNIT
	R & A	G, B & W	
POWER DISSIPATION	624	546	mW
DERATE/°C $>T_a$	9.4	8.2	mW
OPERATING VOLTAGE	52	52	V
OPERATING TEMPERATURE	-40<+100	-30<+85	°C
STORAGE TEMPERATURE	-40<+100	-40<+100	°C



LENS



- REMARKS:
1. Dimensions are in inches(mm).
 2. The lens is clear-tinted with a fresnel pattern.
 3. This device is immune to peak noise current of I_{ma} .
 4. Caution! GaInN LEDs are class I ESD sensitive (MIL-STD-1686). Exceeding absolute maximum ratings may cause damage to, or possibly result in catastrophic failure of these devices. Use appropriate ESD precautions during handling and operation.

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