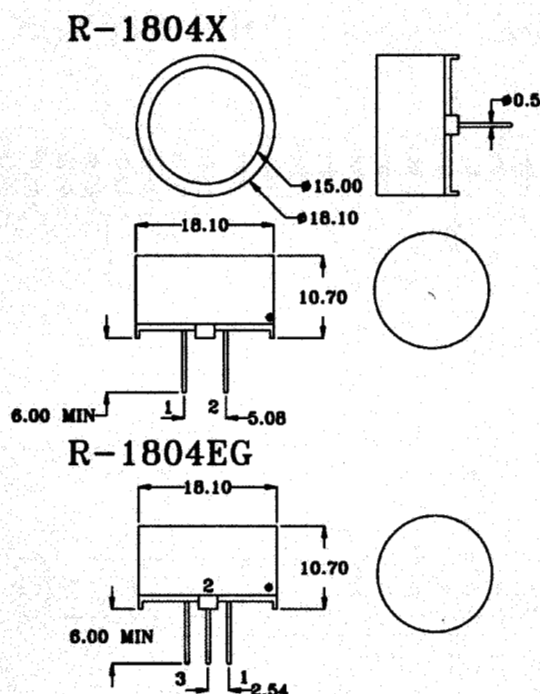


R-1804X & R-1804EG series ... 18mm Dia ROUND LIGHT BAR

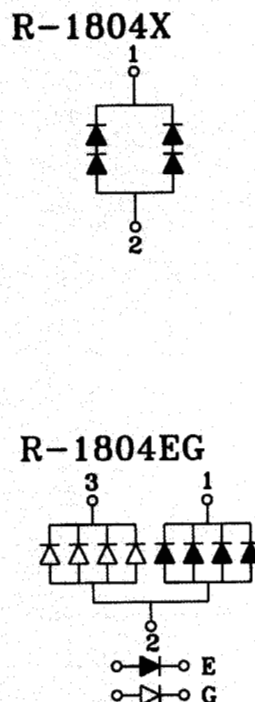
MAIN FEATURES :

- ⊙ 18mm Dia ROUND LIGHT BAR
- ⊙ LOW POWER REQUIREMENT
- ⊙ CAN BE USED WITH PANEL AND LEGEND MOUNT
- ⊙ SUITABLE FOR MULTIPLEX OPERATION
- ⊙ EASY MOUNTING ON P.C. BOARD

◆ PACKAGE DIMENSIONS



◆ PIN CONNECTION AND INTERNAL CIRCUIT



NOTES:

1. All Dimension are in millimeter(inches).
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified.

◆ SELECTION GUIDE AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Part No.	Remark 1	Chip	C.C.	Wave	Absolute Maximum Ratings					Electro-Optical Characteristics					
	Selection of Surface Color	Raw Material	Emitted Color	or C.A.	Length λ p(nm)	$\Delta \lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)			If Iv(mcd)		
R-1804E	R	GaAsP/GaP	Hi. effi Red		635	45	100	30	160	3.4	4.0	5.6	10~20	4.0	12.0
R-1804G	G	GaP	Green		565	30	100	30	160	3.4	4.2	5.6	10~20	3.5	10.0
R-1804Y	E,Y	GaAsP/GaP	Yellow		585	30	100	30	160	3.4	4.2	5.6	10~20	3.5	10.0
R-1804SR	R	GaAlAs	Super Red		660	20	60	20	160	3.4	3.6	4.2	10~20	10.0	20.0
B-1804EG	W	GaAsP/GaP	Hi. effi Red	Common	635	45	100	30	160	1.7	2.0	2.8	10~20	4.0	12.0
		GaP	Green	Anode	565	30	100	30	160	1.7	2.1	2.8	10~20	3.5	10.0

Remark 1 : Selection of Surface color

R : Red Diffused

G : Green Diffused

Y : Yellow Diffused

E : Orange Diffused

W : White Diffused

◆ ABSOLUTE MAXIMUM RATING: (Ta=25°C)

Reverse Voltage	: 5 Volt
Reverse Current(Vr = 5V)	: 10 μ A
Operating Temperature Range	: -40°C to +85°C
Storage Temperature Range	: -40°C to +100°C
Lead Soldering Temperature (1.6mm(1/16inch) from body)	: 260°C for 5 Seconds

◆ ELECTRO-OPTICAL CHARACTERISTICS: (Ta=25°C)

Para meter Description	Symbol	Unit
Spectral Line half-Width	$\Delta \lambda$	nm
Power Dissipation	Pd	mW
Peak Forward Current (Duty 1/10, @KHz)	If(Peak)	mA
Recommended Operation Current	If(Rec)	mA
Average Luminous intensity (If = 10mA)	Iv	mcd