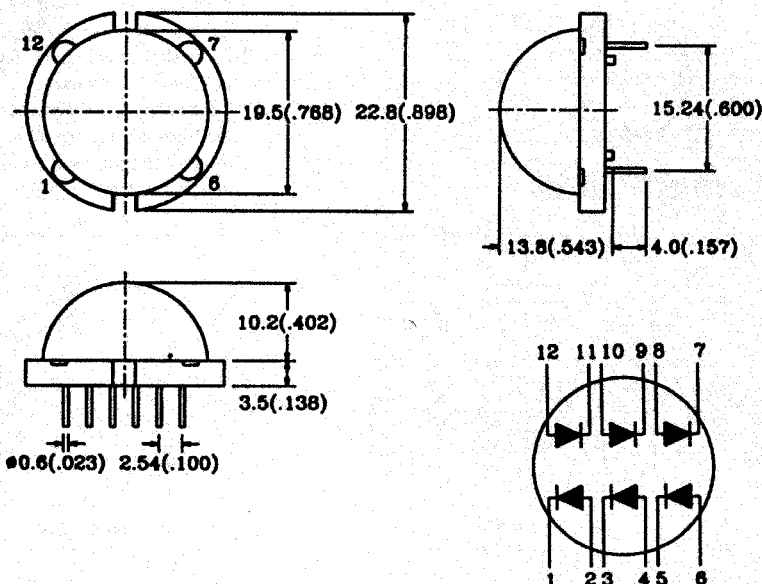


L-873XX series ...

20mm Dia BIG LED LAMP

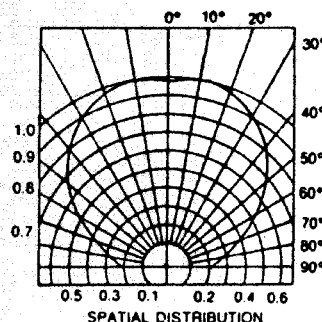
- 20mm Dia BIG LED LAMP
- HIGH LUMINOUS INTENSITY
- WIDE VIEW ANGLE
- SUITABLE FOR MULTIPLEX OPERATION

◆ PACKAGE DIMENSIONS



Notes:

1. All Dimension are in millimeter.
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified.
3. Specification are subject to change without notice.



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

Part No.	Chip			Wave Length λ p(nm)	Absolute Maximum Ratings				Electro-Optical Characteristics						View Angle (deg)
	Raw Material	Emitted Color	Lens Color		$\Delta \lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)			If Iv (mcd)			
									Min.	Typ.	Max.	(Rec)	Min.	Typ.	
L-873ED	GaAsP/GaP	Hi. effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	5~10	11	25	120
L-873ED-E	GaAsP/GaP	Orange	Orange Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	11	25	120
L-873GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	11	22	120
L-873YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	9	20	120
L-873SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	25	100	120
L-873LRD	GaAlAs	Super Red	Red Diffusedr	660	20	60	20	160	1.6	1.8	2.1	10~20	100	200	120
L-873URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	200	300	120
L-873ET	GaAsP/GaP	Hi. effi Red	Red Transparent	635	45	100	30	160	1.7	2.0	2.8	5~10	20	50	120
L-873ET-E	GaAsP/GaP	Orange	Orange Transparent	635	45	100	30	160	1.7	2.0	2.8	10~20	20	50	120
L-873GT	GaP	Green	Green Transparent	565	30	100	30	160	1.7	2.1	2.8	10~20	20	45	120
L-873YT	GaAsP/GaP	Yellow	Yellow Transparent	585	30	100	30	160	1.7	2.1	2.8	10~20	18	40	120
L-873SRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	50	150	120
L-873LRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	150	250	120
L-873URT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	250	400	120

◆ 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	: 260°C for 5 Seconds
(1.6mm(1/16inch) from body)	

◆ 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