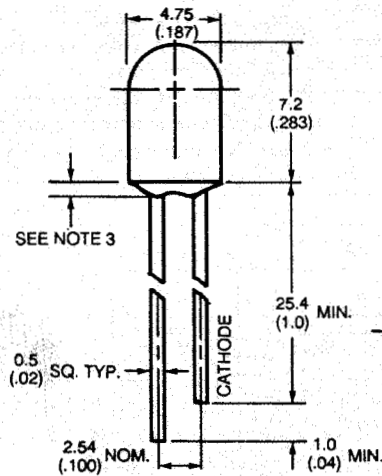


L-503XX series ... **5mm Dia FLANGLESS LED LAMP**

MAIN FEATURES :

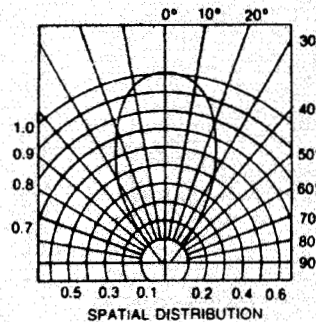
- ⊙ 5mm DIA FLANGLESS LED LAMP
- ⊙ STANDARD 1" LEAD
- ⊙ I.C. COMPATIBLE
- ⊙ LOW POWER CONSUMPTION

◆ **PACKAGE DIMENSIONS**

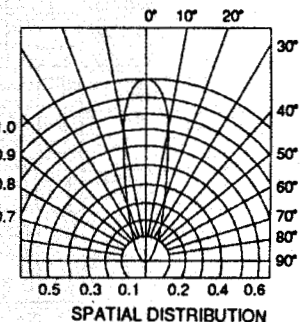


Notes:

1. All Dimension are in millimeter.
2. Tolerance is $\pm 0.25\text{mm}(0.010")$ unless otherwise specified.
3. Protruded resin under flange is 1.5mm(0.59") max.
4. Lead spacing is measured where the leads emerge from the package.
5. Specification are subject to change without notice.



L-503XD



L-503XC&XT

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

Part No.	Chip		Lens Color	Wave Length λ p(nm)	Absolute-Maximum Ratings				Electro-Optical Characteristics					View Angle (deg)	
	Raw Material	Emitted Color			$\Delta \lambda$ nm	Pd mW	If mA	If (Peak)	Vf(V)			If (Rec)	Iv (mcd)		
									Min.	Typ.	Max.		Min.	Typ.	
L-503RD	GaAsP	Red	Red Diffused	655	40	110	40	200	1.5	1.7	2.0	10~20	0.5	3.0	60
L-503HD	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	5.0	60
L-503ED	GaAsP/GaP	Hi.effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	5.0	20.0	60
L-503ED-E	GaAsP/GaP	Orange	Orange Dffused	635	45	100	30	160	1.7	2.0	2.8	10~20	5.0	20.0	60
L-503GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	3.0	15.0	60
L-503YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	20.0	60
L-503AD	GaAsP/GaP	Amber	Amber Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	5.0	20.0	60
L-503I D	GaAlAs	Hi.effi Red	Red Diffused	625	20	60	20	160	1.6	1.8	2.1	10~20	20.0	50.0	60
L-503SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	50.0	200	60
L-503LRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	200	300	60
L-503URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	300	500	60
L-503HT	GaP	Bright Red	Red Transparent	700	90	45	15	50	1.7	2.1	2.8	5~10	5.0	10.0	30
L-503ET	GaAsP/GaP	Hi.effi Red	Red Transparent	635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	45.0	30
L-503ET-E	GaAsP/GaP	Orange	Orange Transparent	635	45	100	30	160	1.7	2.0	2.8	10~20	15.0	45.0	30
L-503GT	GaP	Green	Green Transparent	565	30	100	30	160	1.7	2.1	2.8	10~20	8.0	20.0	30
L-503YT	GaAsP/GaP	Yellow	Yellow Transparent	585	30	100	30	160	1.7	2.1	2.8	10~20	8.0	20.0	30
L-503AT	GaAsP/GaP	Amber	Amber Transparent	585	30	100	30	160	1.7	2.1	2.8	10~20	8.0	20.0	30
L-503I T	GaAlAs	Hi.effi Red	Red Transparent	625	20	60	20	160	1.6	1.8	2.1	10~20	45.0	100	30
L-503SRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	100	250	30
L-503LRT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	250	400	30
L-503URT	GaAlAs	Super Red	Red Transparent	660	20	60	20	160	1.6	1.8	2.1	10~20	400	600	30
L-503HC	GaP	Bright Red	Water Clear	700	90	45	15	50	1.7	2.1	2.8	5~10	8.0	20.0	30
L-503EC	GaAsP/GaP	Hi.effi Red	Water Clear	635	45	100	30	160	1.7	2.0	2.8	10~20	20.0	60.0	30
L-503GC	GaP	Green	Water Clear	565	30	100	30	160	1.7	2.1	2.8	10~20	10.0	30.0	30
L-503YC	GaAsP/GaP	Yellow	Water Clear	585	30	100	30	160	1.7	2.1	2.8	10~20	10.0	30.0	30
L-503I C	GaAlAs	Hi.effi Red	Water Clear	625	20	60	20	160	1.6	1.8	2.1	10~20	60.0	300	30
L-503SRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	300	1000	30
L-503LRC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	1000	2000	30
L-503URC	GaAlAs	Super Red	Water Clear	660	20	60	20	160	1.6	1.8	2.1	10~20	2000	3000	30