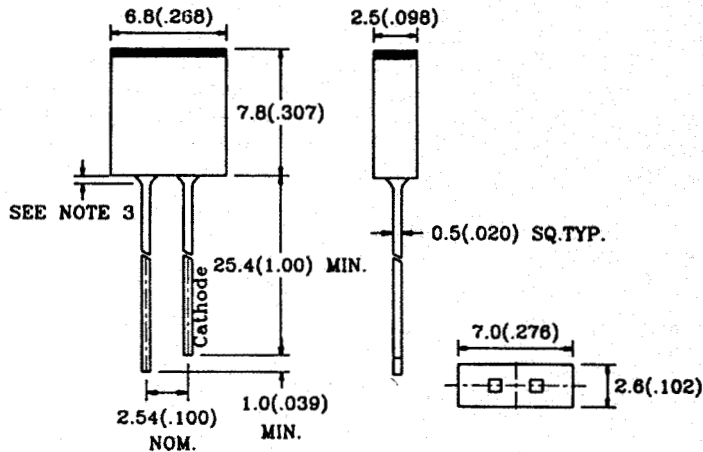


L-423XX series ... 2.5x7.0x7.8mm Rectangular LED LAMP

MAIN FEATURES :

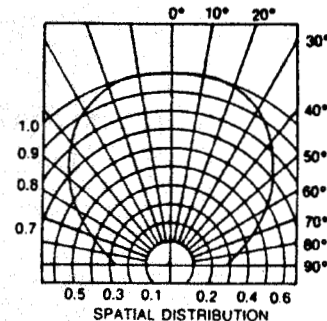
- ⊙ 2.5x7.0x7.8mm Rectangular LED LAMP
- ⊙ STANDARD 1" LEAD
- ⊙ I.C. COMPATIBLE
- ⊙ LONG LIFE-SOLID STATE RELIABILITY
- ⊙ LOW POWER CONSUMPTION

◆ 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.



◆ 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-423HD	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	1.5	130
L-423ED	GaAsP/GaP	Hi.effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	130
L-423ED-E	GaAsP/GaP	Orange	Orange Dffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	130
L-423GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	130
L-423YD	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	130
L-423AD	GaAsP/GaP	Amber	Amber Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	130
L-423I D	GaAlAs	Hi.effi Red	Red Diffused	625	20	60	20	160	1.6	1.8	2.1	10~20	12.0	30.0	130
L-423SRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	30.0	80.0	130
L-423LRD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	120	130
L-423URD	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	120	200	130
L-423HDT	GaP	Bright Red	Red Trans.+Diff.	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	1.5	130
L-423EDT	GaAsP/GaP	Hi.effi Red	Red Trans.+Diff.	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	130
L-423EDT-E	GaAsP/GaP	Orange	Orange Trans.+Diff.	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	12.0	130
L-423GDT	GaP	Green	Green Trans.+Diff.	565	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	130
L-423YDT	GaAsP/GaP	Yellow	Yellow Trans.+Diff.	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	130
L-423ADT	GaAsP/GaP	Amber	Amber Trans.+Diff.	585	30	100	30	160	1.7	2.1	2.8	10~20	2.0	10.0	130
L-423I DT	GaAlAs	Hi.effi Red	Red Trans.+Diff.	625	20	60	20	160	1.6	1.8	2.1	10~20	12.0	30.0	130
L-423SRDT	GaAlAs	Super Red	Red Trans.+Diff.	660	20	60	20	160	1.6	1.8	2.1	10~20	30.0	80.0	130
L-423LRDT	GaAlAs	Super Red	Red Trans.+Diff.	660	20	60	20	160	1.6	1.8	2.1	10~20	80.0	120	130
L-423URDT	GaAlAs	Super Red	Red Trans.+Diff.	660	20	60	20	160	1.6	1.8	2.1	10~20	120	200	130

Remark : Trans.+Diff. : Body Transparent & Top Diffused

◆ ABSOLUTE MAXIMUN 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 Luminuous intensity (If = 10mA)	Iv	mcd