

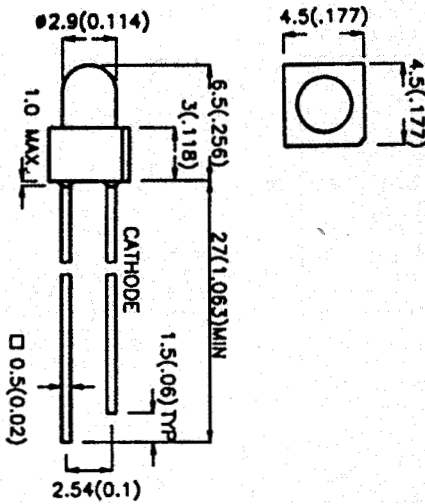
L-297XD-F series ...

3mm Dia BLINKING LED LAMP

MAIN FEATURES :

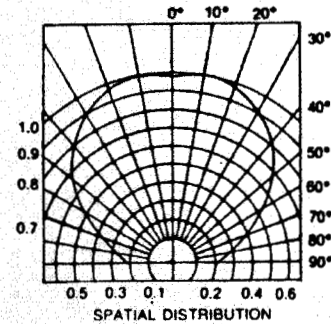
- ⊙ 3.0mm DIA BLINKING LED LAMP
- ⊙ POPULAR T-1, 1" LEAD
- ⊙ PULSE RATE: 2.0Hz(±0.02)
- ⊙ EASILY BE DRIVEN BY TTL & C-MOS CIRCUIT, NO EXTERNAL CIRCUIT NEEDED

◆ 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		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) Min.	Vf(V) Typ.	Vf(V) Max.	If (Rec)	Iv (mcd) Min.		Iv (mcd) Typ.
L-297HD-F	GaP	Bright Red	Red Diffused	700	90	45	15	50	1.7	2.1	2.8	5~10	0.8	5.0	120
L-297ED-F	GaAsP/GaP	Hi. effi Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	20.0	120
L-297ED-EF	GaAsP/GaP	Orange	Orange Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	3.0	20.0	120
L-297GD-F	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	2.5	12.5	120
L-297YD-F	GaAsP/GaP	Yellow	Yellow Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.5	12.5	120
L-297AD-F	GaAsP/GaP	Amber	Amber Diffused	585	30	100	30	160	1.7	2.1	2.8	10~20	2.5	12.5	120
L-297SRD-F	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	50	100	120
L-297LRD-F	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	100	200	120
L-297URD-F	GaAlAs	Super Red	Red Diffused	660	20	60	20	160	1.6	1.8	2.1	10~20	200	300	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 (1.6mm(1/16inch) from body)	: 260°C for 5 Seconds

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

Parameter 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