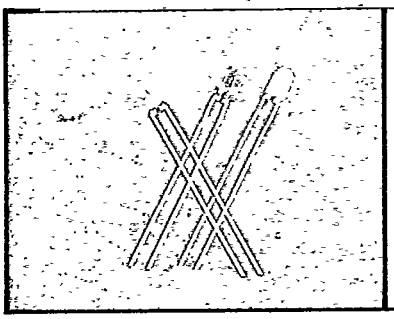


EVERLIGHT

LOW CURRENT LED LAMPS

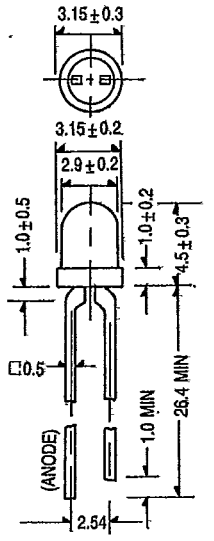
264/T2 SERIES

Round Type LED Lamps (3mm)

MAIN FEATURES:

- LOW POWER CONSUMPTION (2mA).
- CMOS COMPATIBLE.
- LONG LENGTH (25.4mm) LEADS.
- POPULAR T-1 DIAMETER PACKAGE.
- WIDE VIEWING ANGEL.

■ Package Dimensions:



■ DESCRIPTION:

The 264/T2 series is designed and optimized especially for low DC operation. Luminous intensity and forward voltage are tested at 2mA to assure consistent brightness at CMOS output current level. 264HD/T2, 264GD/T2 and 264PYD/T2 emit bright red, green and yellow light with diodes of GaP. All lens types are color-diffused.

■ ABSOLUTE MAXIMUM RATINGS: (Ta = 25°C)

Reverse Voltage	:	5 Volt
Reverse Current (Vr = 5V)	:	10μA
Operating Temperature Range	:	−40°C To 85°C
Storage Temperature Range	:	−40°C To 100°C
Lead Soldering Temperature [1.6 mm (1/16 inch) From Body]	:	260°C For 5 Seconds

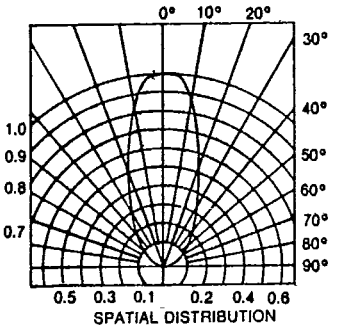
NOTE: 1. All dimensions are in millimeters.
2. Lead spacing is measured where the leads emerge from the package.
3. Protruded resin under flange 1.5 mm (0.059") Max.

■ PART SELECTION AND APPLICATION INFORMATION (RATINGS AT 25°C AMBIENT)

Type No.	Chip		Lens Color	Peak Wave Length λp(nm)	Absolute Maximum Ratings				Electro-Optical Characteristic						Viewing Angle 2θ½ (deg)	Remark
	Material	Emitted Color			△λ (nm)	Pd (mw)	If(mA)	Peak If(mA)	Vf(V)			Rec If(mA)	Iv(mcd)			
									Min.	Typ.	Max.		Min.	Typ.		
EL264HD/T2	GaP	Bright Red	Red Diffused	697	90	45	15	50	1.7	2.1	2.8	2~10	1.0	2.0	40	
EL264 GD/T2	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	2~20	1.0	2.0	40	
EL264PYD/T2	GaP	Yellow	Yellow Diffused	570	30	100	30	160	1.7	2.0	2.8	2~20	1.0	2.0	40	

■ TEST CONDITION FOR EACH PARAMETER:

PARAMETER:	SYMBOL	UNIT	TEST CONDITION
REVERSE VOLTAGE	Vr	VOLT	
REVERSE CURRENT	Ir	μA	Vr = 5.0 Volt
FORWARD VOLTAGE	Vf	VOLT	If = 20mA
LUMINOUS INTENSITY	Iv	MCD	If = 2 mA
VIEWING ANGLE	2θ½	DEGREE	If = 20mA
SPECTRAL LINE HALF-WIDTH	△λ	nm	
POWER DISSIPATION	Pd	mW	
PEAK FORWARD CURRENT (Duty 1/10 @ 1KHz)	If (Peak)	mA	
RECOMMENDED OPERATING CURRENT	If (Rec)	mA	



Remark: **The most popular types *Common types The rest are special types
Hi-Eff Red → High Efficiency Red
Trans → Transparent