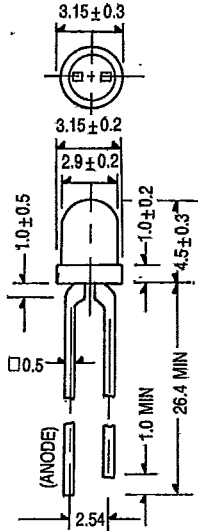


**MAIN FEATURES:**

- LOW COST.
- VERSATILE MOUNTING ON P.C. BOARD OR PANEL.
- LONG LIFE-SOLID STATE RELIABILITY.
- LONG LENGTH (25.4mm) OF LEADS.
- T-1(3mm)DIAMETER PACKAGE.

**264 SERIES**  
Round Type LED Lamps (3mm)

**Package Dimensions:**



**DESCRIPTION:**

The 264 series is packaged in a T-1 outline. The 264RD lamps are made with GaAsP emitting red light diodes. The 264HD, 264GD/SGD and 264PYD lamps are made with GaP diodes emitting bright red, green and yellow light respectively. The 264ID, 264YD and 264ED lamps are made with GaAsP on GaP diodes emitting hi-efficiency red, yellow and orange light respectively. 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

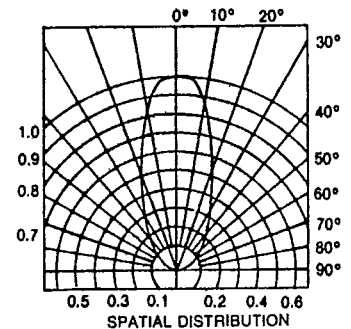
- NOTE: 1. All dimensions are in millimeters.  
2. Lead spacing is measured where the leads emerge from the package.  
3. Protruded resin under flange 1.5 mm (0.059") Max.

**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			Δλ (nm)	Pd (mw)	If(mA)	Peak If(mA)	Vf(V)			Rec If(mA)			Iv(mcd)
									Min.	Typ.	Max.		Min.	Typ.	
EL264RD	GaAsP	Red	Red Diffused	655	40	110	40	200	1.5	1.7	2.0	10~20	0.5	1.0	40
EL264HD	GaP	Bright Red	Red Diffused	697	90	45	15	50	1.7	2.1	2.8	5~10	0.5	1.6	40
EL264ID	GaAsP/GaP	Hi-Eff Red	Red Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	1.1	4.5	40
EL264SGD	GaP	Green	Green Diffused	560	30	100	30	160	1.7	2.1	2.8	10~20	1.1	4.5	40
EL264GD	GaP	Green	Green Diffused	565	30	100	30	160	1.7	2.1	2.8	10~20	1.1	4.5	40
EL264PYD	GaP	Yellow	Yellow Diffused	570	30	100	30	160	1.7	2.0	2.8	10~20	1.1	4.5	40
EL264YD	GaAsP/GaP	Yellow	Yellow Diffused	585	35	85	20	160	1.7	2.0	2.8	10~20	1.1	4.5	40
EL264ED	GaAsP/GaP	Orange	Orange Diffused	635	45	100	30	160	1.7	2.0	2.8	10~20	1.1	4.5	40

**TEST CONDITION FOR EACH PARAMETER:**

<b>PARAMETER:</b>	<b>SYMBOL</b>	<b>UNIT</b>	<b>TEST CONDITION</b>
REVERSE VOLTAGE	Vr	VOLT	
REVERSE CURRENT	Ir	µA	Vr = 5.0 Volt
FORWARD VOLTAGE	Vf	VOLT	If = 20mA
LUMINOUS INTENSITY	Iv	MCD	If = 10mA
VIEWING ANGLE	2θ½	DEGREE	If = 20mA
SPECTRAL LINE HALF-WIDTH	Δλ	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