

Feature:

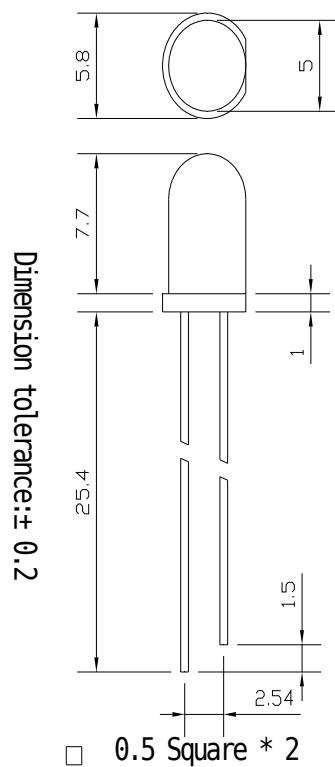
Standard T-1 diameter package

Wide viewing angle

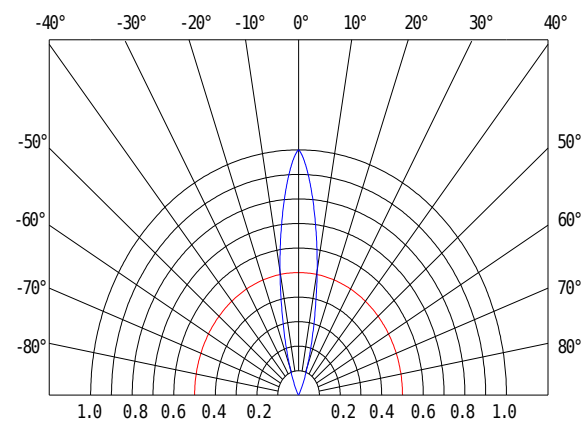
General purpose leads

Reliable and rugged

Package Dimension:



Spatial Distribution:



Angle tolerance: 2°

Note:

1. All dimensions are in millimeters (inches)
2. Tolerance is ± 0.2 mm unless otherwise noted
3. Protruded resin under flange is 0.1 mm max
4. Lead spacing is measured where the leads emerge from the package
5. Specifications are subject to change without notice

Product model	Emitting color	Specification	Dice material
HY-2054R-03	Red	Φ5.0*8.7mm	AlInGaP

Electro-optical characteristic(Ta= +25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	VF	IF=20mA	1.2	1.5	1.8	V
Reverse current	IR	VR=5V			10	μA
Luminous intensity	IV	IF=20mA				mcd
Peak wavelength	λP	IF=20mA	840	900	920	nm
Spectral line half width	Δλ	IF=20mA		10		nm
Viewing angle	Δθ	IF=20mA		20		deg
Chromatic coordinate	X,Y	IF=20mA				

Absolute maximum ratings(Ta= +25°C)

Parameter	Max.	Unit
Reverse voltage	10	V
Continuous forward current	100	mA
Peak forward current	120	mA
Power dissipation	100	mW
Drrating linear from 50°C		mA/°C
Operation temperature range	-40°Cto85°C	
Storage temperature range	-40°Cto85°C	

Solder temperature:

260°C/5s