

L395/940R-34GS

Bi-Color LED with Silicone Resin

Bi-color LED of L395/940R-34GS consists of InGaN and AlGaInP mounted on a lead frame with UV resistant Ag paste and molded with silicone resin.
On forward bias it emits 395nm and 940nm as peaks wavelength with cathode common.

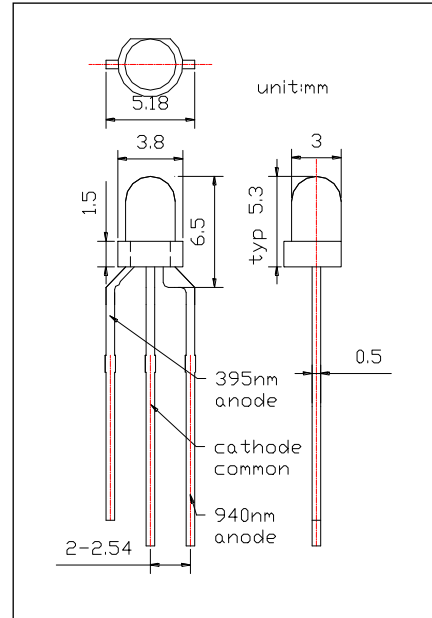
Outer Dimension (Unit:mm)

<Features>

- High Reliability
- Cathode Common
- Silicone resin Φ 3 mold

<Specifications>

1. Product Name: Bi-color LED
2. Type Number: L395/940R-34GS
3. Chip:
 - Chip material: InGaN and AlGaInP
 - Peak Wavelength: 395nm and 940nm typ.
4. Package
 - Type: Φ 3mm clear molding
 - Resin Material: Silicone Resin
 - Lead Frame: Soldered(Lead Free)
 - Die bounding: UV resistant Ag paste



Absolute Maximum Ratings					
Item	Symbol	Maximum Rated Value		Unit	Ambient Temperature
		395nm	940nm		
Power Dissipation	PD	220	130	mW	Ta=25°C
Forward Current	IF	50	75	mA	Ta=25°C
Reverse Voltage	IR	10		V	Ta=25°C
Operating Temperature	TOPR	-30 ~ +85		°C	
Storage Temperature	TSTG	-30 ~ +100		°C	
Soldering Temperature	TSOL	265		°C	

Soldering condition: Soldering condition must be completed within 3 seconds at 265°C

Electro-Optical Characteristics [Ta=25°C]									
Item	Symbol	Condition	Minimum		Typical		Maximum		Unit
			395	940	395	940	395	940	
Forward Voltage	VF	IF=20mA			3.5	1.3	4.3	1.45	V
Reverse Current	IR	VR=5V					10		μ A
Total Radiated Power	PO	IF=20mA	2.5	3.5	13.0	5.0			mW
Peak Wavelength	λ P	IF=20mA	385	930	395	940	405	955	nm
Half Width	$\Delta\lambda$	IF=20mA			20	50			nm
Viewing Half Angle	θ 1/2	IF=20mA			\pm 15				Deg.

Radiated Power is measured by S3584-08

Radiant Intensity is measured by Tektronix J-6512

