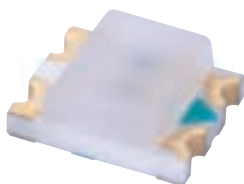


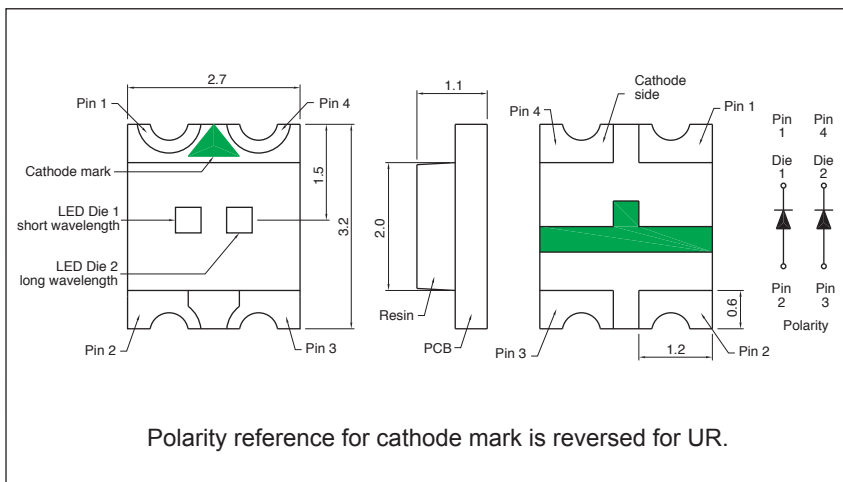
Features

- Chip LED (3.2 x 2.7 x 1.1)
- Super compact
- Bi-color

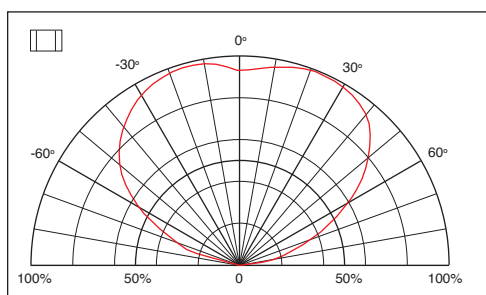
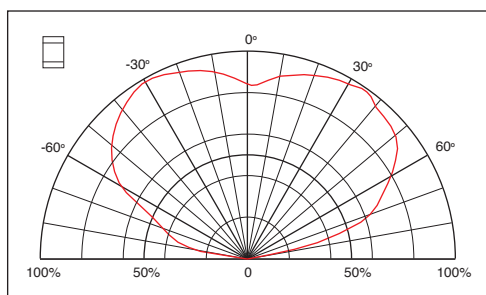


Package Outline Dimensions

(Unit:mm Tolerance:+/-0.1)

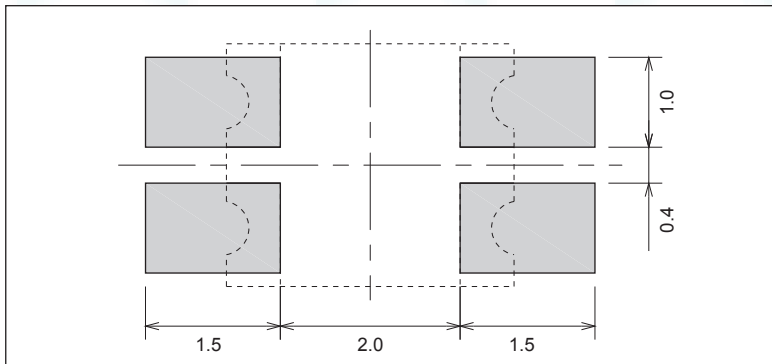


Directive Characteristics



Recommended Soldering Pattern

Unit: mm



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	GaP	GaAsP	AlGaAs	AlInGaP	InGaN	Unit
Power Dissipation	P _D	65	65	66	72	78	mW
DC Forward Current	I _F	25	25	30	30	20	mA
Pulsed Forward Current	I _{FP} *	100	100	100	100	80	mA
Reverse Voltage	V _R	5					V
Operating Temperature	T _{OP}	-30 to 80					°C
Storage Temperature	T _{ST}	-40 to 85					°C

* 0.1msec pulse, 10% duty cycle.

Electrical / Optical Characteristics

(Ta=25 °C)

Part Number	Emitting color	Material	Forward Voltage(V _F)		Wavelength (nm) typ.			Luminous Intensity (mcd)*		I _F (mA)	Viewing Angle 2θ _{1/2}
			typ.	max.	λ _D	λ _P	Δλ	min.	typ.		
HT-155SD/YG	Super Bright Orange	GaAsP	2.1	2.6	629	642	35	5.6	14	20	140
	Yellow Green	GaP	2.2	2.6	573	568	30	9	20	20	140
HT-155Y/YG	Yellow	GaAsP	2.1	2.6	590	589	35	5.6	9	20	140
	Yellow Green	GaP	2.2	2.6	573	568	30	9	20	20	140
HT-155D/YG	Amber	GaAsP	2.1	2.6	608	610	35	5.6	12	20	140
	Yellow Green	GaP	2.2	2.6	573	568	30	9	20	20	140
HT-155USD/YUG	Ultra Bright Orange	AlInGaP	1.9	2.4	622	636	17	50	120	20	140
	Ultra Bright Yellow Green	AlInGaP	2.0	2.4	573	574	20	36	90	20	140
HT-155UY/YUG	Ultra Bright Yellow	AlInGaP	1.9	2.4	591	593	15	40	90	20	140
	Ultra Bright Yellow Green	AlInGaP	2.0	2.4	573	574	20	36	90	20	140
HT-155UD/YUG	Ultra Bright Amber	AlInGaP	1.9	2.4	605	609	17	40	90	20	140
	Ultra Bright Yellow Green	AlInGaP	2.0	2.4	573	574	20	36	90	20	140
HT-155USD/NB	Ultra Bright Orange	AlInGaP	1.9	2.4	622	636	17	50	120	20	140
	Blue	InGaN	3.3	3.9	470	468	40	36	56	20	140
HT-155UY/NB	Ultra Bright Yellow	AlInGaP	1.9	2.4	591	593	15	40	90	20	140
	Blue	InGaN	3.3	3.9	470	468	40	36	56	20	140
HT-155UD/NB	Ultra Bright Amber	AlInGaP	1.9	2.4	605	609	17	40	90	20	140
	Blue	InGaN	3.3	3.9	470	468	40	36	56	20	140

*Per NIST standards

