

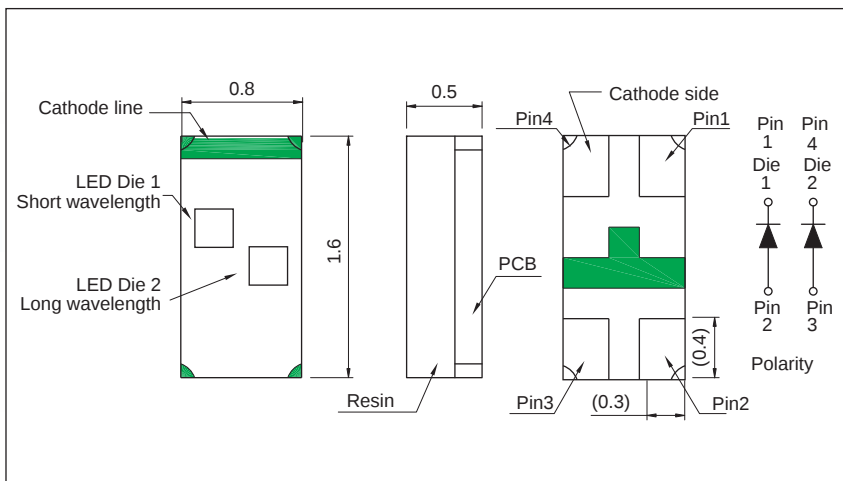
Features

- Chip LED (1.6x0.8x0.5)
- Super compact
- Bi-color

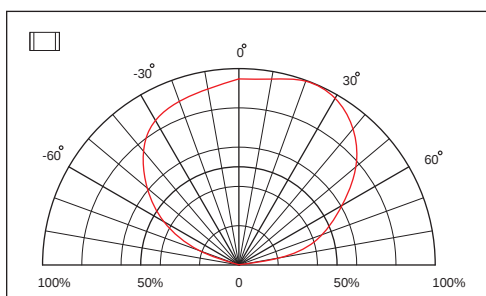
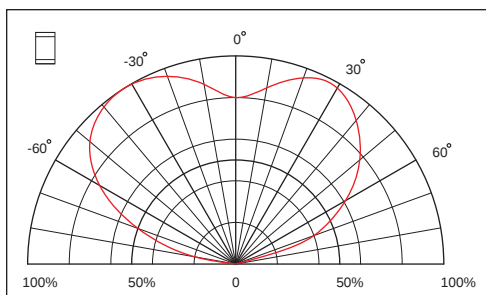


Package Outline Dimensions

(Unit:mm Tolerance:±0.1)

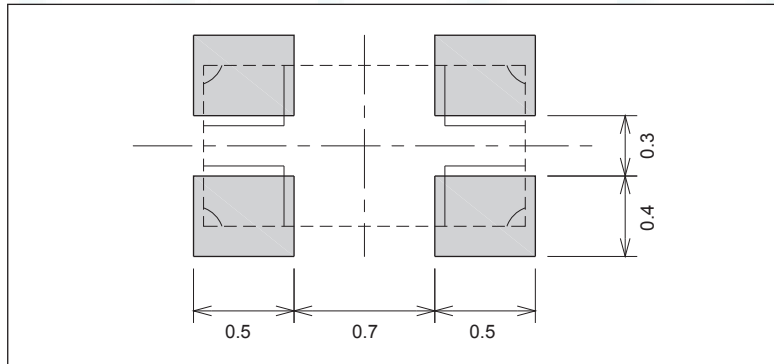


Directive Characteristics



Recommended Soldering Pattern

Unit: mm



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	AlInGaP	InGaN	Unit
Power Dissipation	P_D	72	78	mW
DC Forward Current	I_F	30	20	mA
Pulsed Forward Current	I_{FP}	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-297USD/UYG	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-297UY/UYG	Ultra Bright Yellow	AlInGaP	1.9	2.4	591	593	15	36	60	20	140
	Ultra Bright Yellow Green	AlInGaP	2.0	2.4	573	574	20	36	90	20	140
HT-297UD/UYG	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-297USD/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	80	20	140
HT-297USD/NG	Ultra Bright Orange	AlInGaP	1.9	2.4	622	636	17	50	120	20	140
	Green	InGaN	3.3	3.9	527	520	40	90	200	20	140

*Per NIST standards

