

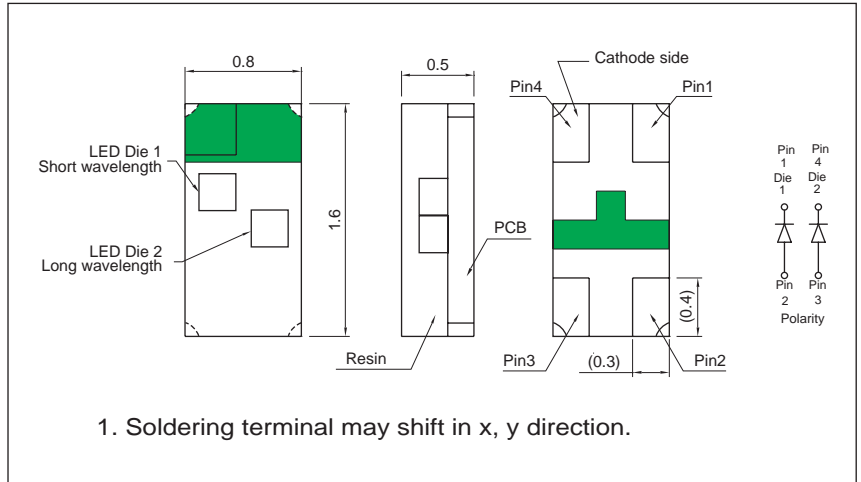
Characters

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

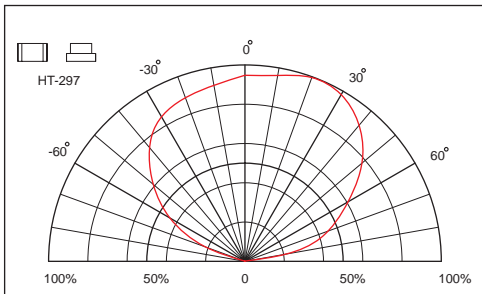
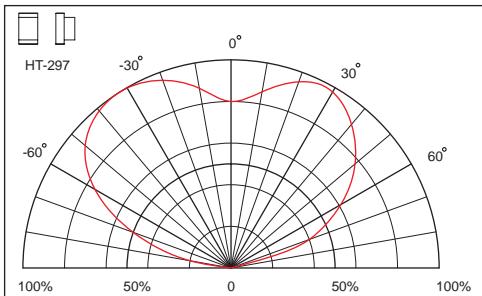


Package Outline Dimensions

(Unit:mm Tolerance:+/-0.1)

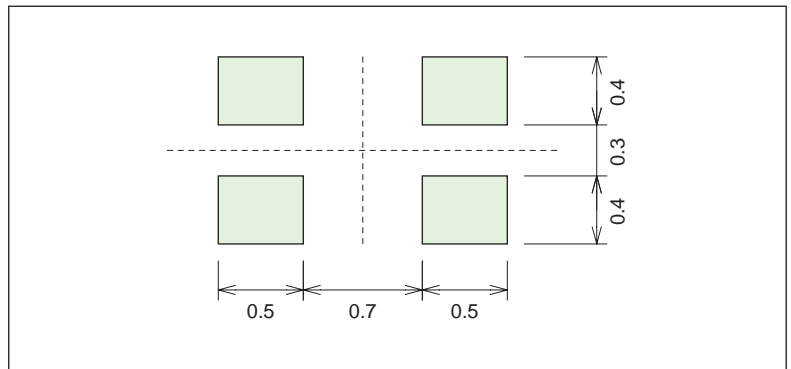


Directive Characteristics



Recommended Soldering Pattern

Unit: mm



Absolute Maximum Ratings

(Ta=25 °C)

Item	Symbol	Value		Unit
		AllnGaP	InGaN	
Power Dissipation	P _D	60	60	mW
DC Forward Current	I _F	25	15	mA
Pulsed Forward Current	I _{FP} *	100	35	mA
Reverse Voltage (I _R = 100uA)	V _R	5		V
Operating Temperature	T _{OP}	-30 to 80		°C
Storage Temperature	T _{ST}	-40 to 85		°C

*Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width

Electrical-Optical Characteristics

(Ta=25 °C)

Code for parts	Lighting Color	Material	Forward Voltage (V)		Wavelength (nm) typ			Luminous Intensity (mcd)*		I _F (mA)
			typ	max	λ _D	λ _P	Δλ	min	typ	
HT-297USD/UYG	Ultra Bright Orange	AllnGaP	1.9	2.4	622	636	17	25	60	20
	Ultra Bright Yellow Green	AllnGaP	2.0	2.4	573	574	20	25	40	20
HT-297UY/UYG	Ultra Bright Yellow	AllnGaP	1.9	2.4	591	593	15	25	60	20
	Ultra Bright Yellow Green	AllnGaP	2.0	2.4	573	574	20	25	40	20
HT-297UD/UYG	Ultra Bright Amber	AllnGaP	1.9	2.4	605	609	17	25	60	20
	Ultra Bright Yellow Green	AllnGaP	2.0	2.4	573	574	20	25	40	20

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HT-297USD/CB	Ultra Bright Orange	AllnGaP	1.9	2.4	622	636	17	25	60	20
	Blue	InGaN	3.6	4.0	470	468	26	25	40	20
HT-297UY/CB	Ultra Bright Yellow	AllnGaP	1.9	2.4	591	593	15	25	60	20
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HT-297UD/CB	Ultra Bright Amber	AllnGaP	1.9	2.4	605	609	17	25	60	20
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*Per NIST standards