

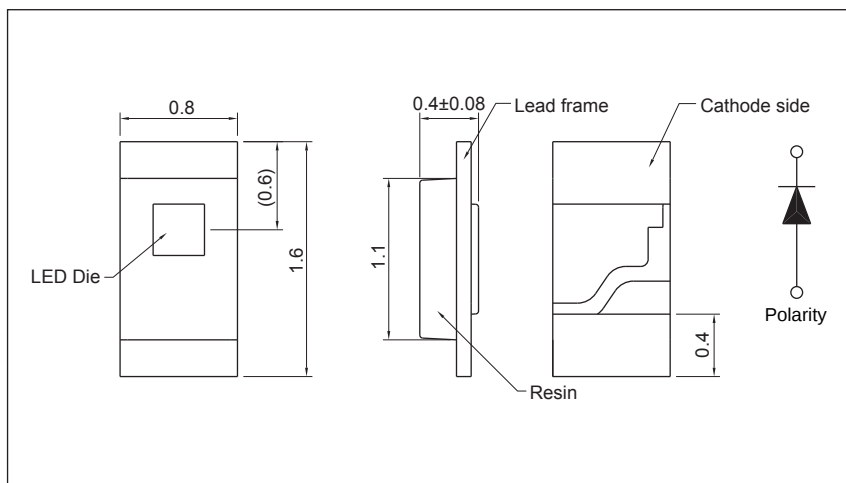
Features

- Chip LED (1.6x0.8x0.4)
- Super compact

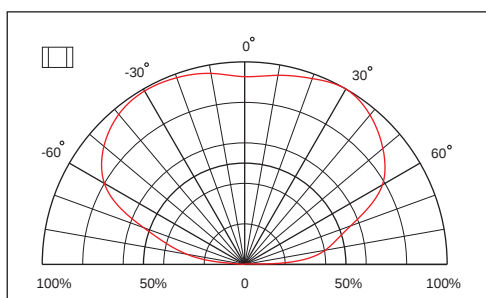
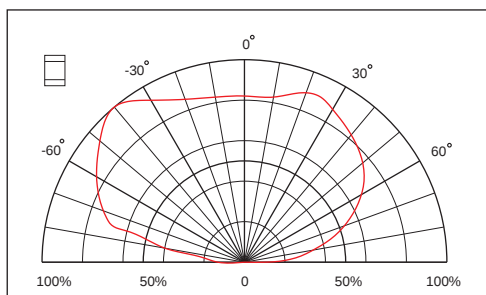


Package Outline Dimensions

(Unit: mm Tolerance: +/-0.1)

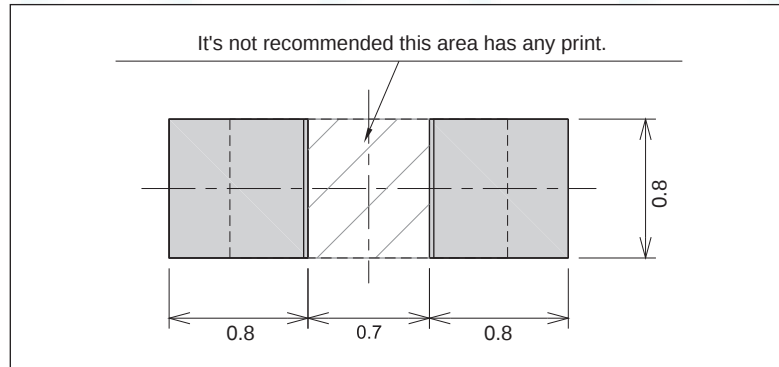


Directive Characteristics



Recommended Soldering Pattern

(Unit:mm)



Absolute Maximum Ratings

(Ta=25°C)

Item	Symbol	AlInGaP	InGaN	Unit
Power Dissipation	P _D	72	117	mW
DC Forward Current	I _F	30	30	mA
Pulsed Forward Current	I _{FP} *	120	120	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-F195UYG	Ultra Bright Yellow Green	AlInGaP	2.0	2.4	573	574	20	36	60	20	140
HT-F195UY	Ultra Bright Yellow	AlInGaP	1.9	2.4	591	593	15	40	90	20	140
HT-F195UD	Ultra Bright Amber	AlInGaP	1.9	2.4	605	609	17	50	120	20	140
HT-F195USD	Ultra Bright Orange	AlInGaP	1.9	2.4	622	636	17	50	120	20	140
HT-F195NB	Blue	InGaN	3.3	3.9	470	468	40	36	90	20	140
HT-F195NG	Green	InGaN	3.3	3.9	527	520	40	90	160	20	140
HT-F195TW	White	InGaN	3.3	3.9	x=0.29 y=0.31	-	-	140	250	20	140
HT-F195NB5	Blue	InGaN	2.8	3.15	472	470	40	14	30	5	140
HT-F195NG5	Green	InGaN	2.8	3.15	529	522	40	25	50	5	140
HT-F195TW5	White	InGaN	2.8	3.15	x=0.29 y=0.32	-	-	36	90	5	140

*Per NIST standards

