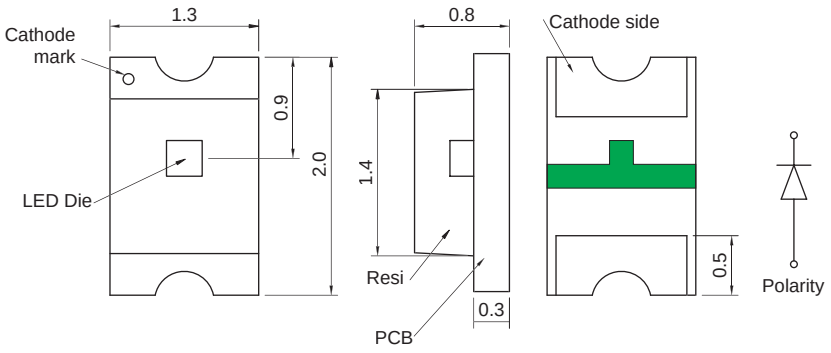
Characters

- Chip LED (2.0x1.3x0.8)
- Super compact type



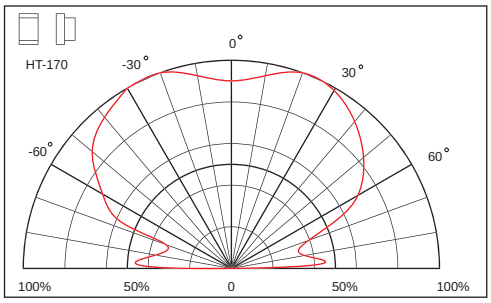
Package Outline Dimensions

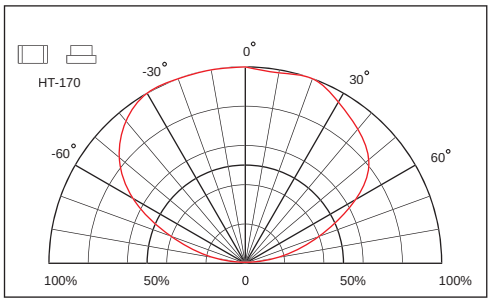
(Unit:mm Tolerance:+/-0.1)



1. Soldering terminal may shift in x, y direction.
2. Polarity referring onto the cathode line is reversed on the UR.

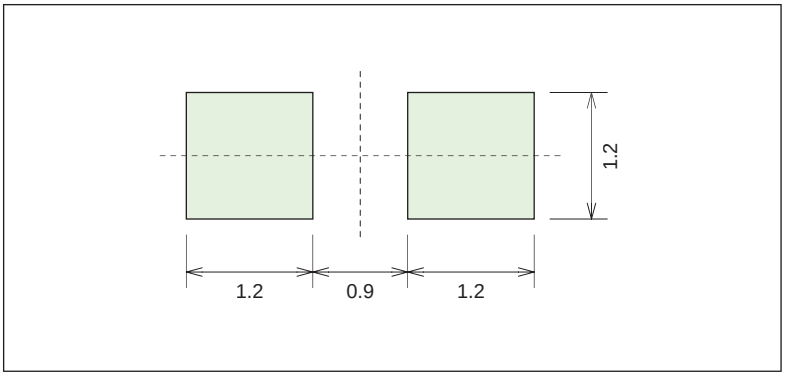
Directive Characteristics





Recommended Soldering Pattern

Unit: mm



Absolute Maximum Ratings

(Ta=25 ˚C)

Item	Symbol	Value						Unit
		GaP	GaAsP	AlGaAs	AlInGaP	GaN	InGaN	
Power Dissipation	P_D	65	65	66	72	68	80	mW
DC Forward Current	I_F	25	25	30	30	15	20	mA
Pulsed Forward Current	I_{FP*}	100	100	100	100	35	80	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

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Electrical-Optical Characteristics

(Ta=25ºC)

Code for parts	Lighting Color	Material	Forward Voltage (V)		Wavelength (nm) typ			Luminous Intensity (mcd)*		I_F (mA)
			typ	max	λ_D	λ_P	$\triangle\lambda$	min	typ	
HT-170YG	Yellow Green	GaP	2.2	2.6	573	568	30	6.3	14	20
HT-170Y	Yellow	GaAsP	2.1	2.6	590	589	35	2.5	6	20
HT-170D	Amber	GaAsP	2.1	2.6	608	610	35	2.5	9	20
HT-170SD	Super Bright Orange	GaAsP	2.1	2.6	629	642	35	4	10	20
HT-170UR	Super Bright Red	AlGaAs	1.8	2.2	643	660	20	6.3	16	20

Code for parts	Lighting Color	Material	Forward Voltage (V)		Wavelength (nm) typ			Luminous Intensity (mcd)*		I_F (mA)
			typ	max	λ_D	λ_P	$\triangle\lambda$	min	typ	
HT-170UYG	Ultra Bright Yellow Green	AlInGaP	2.0	2.4	573	574	20	25	40	20
HT-170UY	Ultra Bright Yellow	AlInGaP	1.9	2.4	591	593	15	25	60	20
HT-170UD	Ultra Bright Amber	AlInGaP	1.9	2.4	605	609	17	25	60	20
HT-170USD	Ultra Bright Orange	AlInGaP	1.9	2.4	622	636	17	25	60	20
HT-170URO	Ultra Bright Red	AlInGaP	1.9	2.4	632	645	22	25	40	20

			I_F=20mA							I_F=5mA						
Code for parts	Lighting Color	Material	Forward Voltage (V)		Wavelength (nm) typ			Luminous Intensity (mcd)*		Forward Voltage (V)		Wavelength (nm) typ			Luminous Intensity (mcd)*	
			typ	max	λ_D	λ_P	$\triangle\lambda$	min	typ	typ	max	λ_D	λ_P	$\triangle\lambda$	min	typ
HT-170CBS	Blue	GaN	4.2	4.5	466	428	65	2.5	8	-	-	-	-	-	-	-
HT-170CB	Blue	InGaN	3.6	4.0	470	468	26	25	40	2.9	3.35	472	470	26	10	16
HT-170CG	Green	InGaN	3.6	4.0	527	518	35	63	130	2.9	3.35	529	520	35	25	40
HT-170CW	White	InGaN	3.6	4.0	X=0.29 Y=0.31	468	-	100	250	2.9	3.35	X=0.29 Y=0.32	470	-	40	80
HT-170NB	Blue	InGaN	3.3	3.9	470	468	40	25	40	2.8	3.15	472	470	40	10	16
HT-170NG	Green	InGaN	3.3	3.9	527	520	40	63	130	2.8	3.15	529	522	40	25	40
HT-170NW	White	InGaN	3.3	3.9	X=0.29 Y=0.31	468	-	100	220	2.8	3.15	X=0.29 Y=0.32	470	-	40	70

*Per NIST standards

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