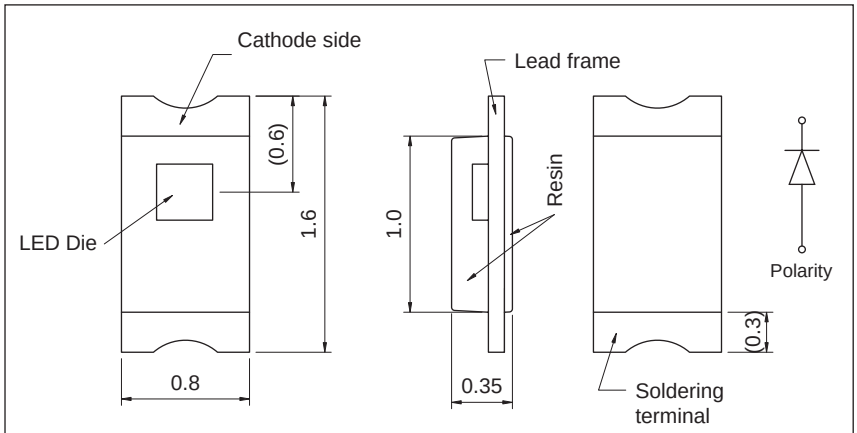
Characters

- Chip LED (1.6x0.8x0.35)
- Super compact type
- Lead frame type

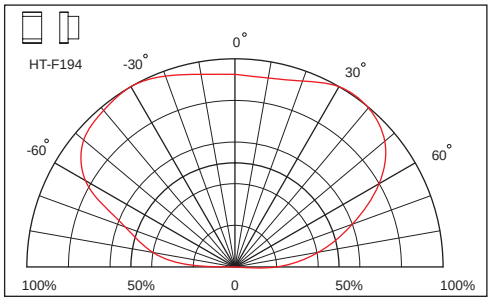
Package Outline Dimensions

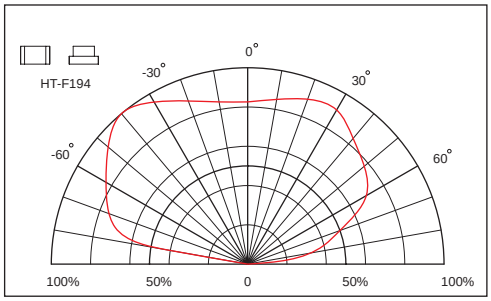
(Unit:mm Tolerance:+/-0.1)



1. Soldering terminal may shift in x, y direction.

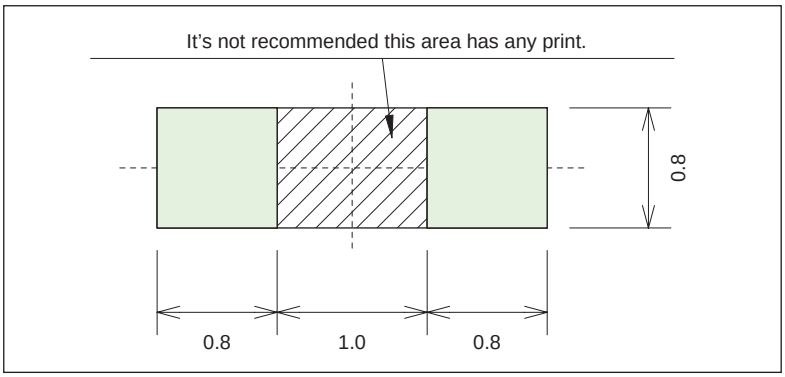
Directive Characteristics





Recommended Soldering Pattern

Unit: mm



Absolute Maximum Ratings

(Ta=25 ˚C)

Item	Symbol	Value	Unit
		InGaN	
Power Dissipation	P_D	117	mW
DC Forward Current	I_F	30	mA
Pulsed Forward Current	I_{FP*}	100	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=25 ˚C)

Code for parts	Lighting Color	Material	I_F=20mA							I_F=5mA						
			Forward Voltage (V)		Wavelength (nm) typ			Luminous Intensity (mcd)*		Forward Voltage (V)		Wavelength (nm) typ			Luminous Intensity (mcd)*	
			typ	max	λ_D	λ_P	$\Delta\lambda$	min	typ	typ	max	λ_D	λ_P	$\Delta\lambda$	min	typ
HT-F194NB	Blue	InGaN	3.3	3.9	470	468	40	25	60	2.8	3.15	472	470	40	10	25
HT-F194NG	Green	InGaN	3.3	3.9	527	520	40	63	160	2.8	3.15	529	522	40	25	50
HT-F194NW	White	InGaN	3.3	3.9	X=0.29 Y=0.31	468	-	100	250	2.8	3.15	X=0.29 Y=0.32	470	-	40	80

*Per NIST standards

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