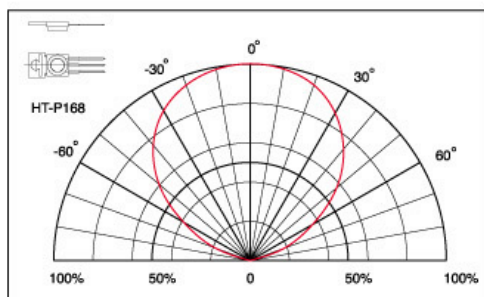
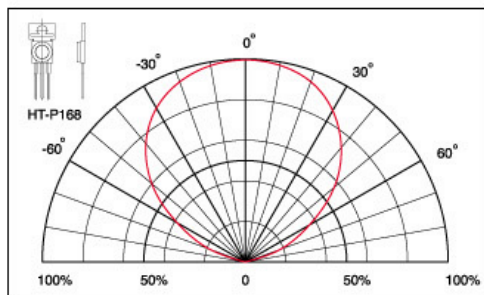


Characters

- 1W High Power LED
- DIP Type
- Lambertian



Directive Characteristics



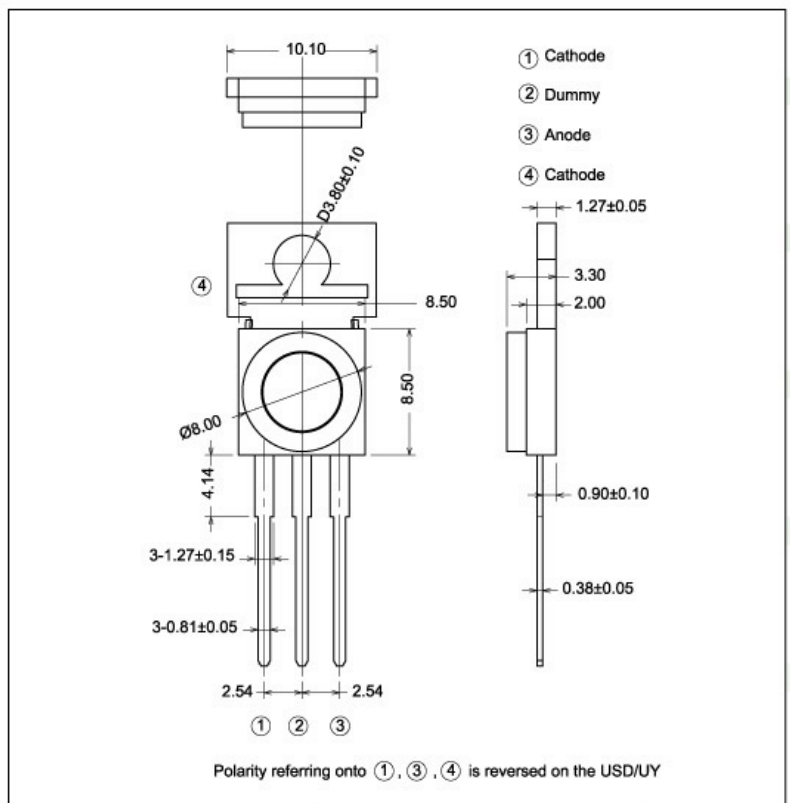
Absolute Maximum Ratings

Item	Symbol	Value		Unit
		InGaN	AlGaInP	
Power Dissipation	P_D	1.5	1.1	W
DC Forward Current	I_F	350	350	mA
Pulsed Forward Current	I_{FP}	500	400	mA
Reverse Voltage ($I_R = 100\mu A$)	V_R	5		V
Operating Temperature	T_{OP}	-20 to 70		°C
Storage Temperature	T_{ST}	-40 to 85		°C

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

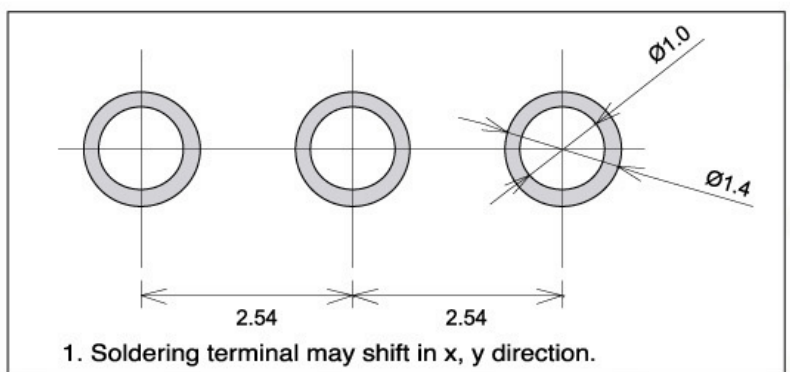
Package Outline Dimensions

(Unit: mm Tolerance: ± 0.1)



Recommended Soldering Pattern

(Unit:mm)



($T_a = 25^\circ C$)

Electrical-Optical Characteristics

Code for parts	Lighting Color	Material	If (mA)	VF (V)		λ (nm)			(lm)	
				typ	max	λD	λP	Δλ	min	typ
HT-P168NG	Green	InGaN	350	3.4	4.2	525	523	50	10	25
HT-P168NB	Blue	InGaN	350	3.4	4.2	470	470	50	3	5
HT-P168USD	Red	AlGaInP	350	2.1	3.2	625	625	30	12	17
HT-P168UY	Amber	AlGaInP	350	2.1	3.2	592	592	30	12	17

Code for parts	Lighting Color	Material	If (mA)	VF (V)		Color Temperature			(lm)	
				typ	max	min	typ	max	min	typ
HT-P168TW	White	InGaN	350	3.4	4.2	3000	--	9000	20	30

* Per NIST standards

