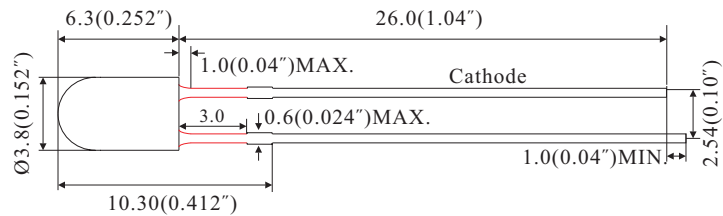
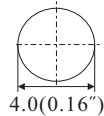




PACKAGE DIMENSION

TY-471BL5W35-500



Selection Guide

Part No.	Dice		Lens Color	(If=20mA)	Viewing Angle (2θ½)
	Raw Material	Emitted Color		TYP. (mcd)	
TY-471BL5W35-500	InGaN	Blue	Water Clear	H.H. - 500	H.H. - 35°
				V.V. - 400	V.V. - 60°

Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Maximum Rating	Units
Power Dissipation	PD	120	mW
Peak Forward Current ⁴	IFP	100	mA
Forward Current	IF	30	mA
Reverse Voltage	VR	5	V
Capacitance	C	100	pF
Operating/Storage Temperature	TA/TSTG	-40°C to +85°C	
Lead Solder Temperature	TSOL	260°C for 3 Seconds	

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	TYP.	MAX.	Units	Test Condition
Peak Wavelength	λpeak	468	-	nm	IF=20mA
Dominant Wavelength	λD	465	-	nm	IF=20mA
Spectral Line Half-width	Δλ	35	-	nm	IF=20mA
Forward Voltage	VF	3.20	3.80	V	IF=20mA
Reverse Current	IR	-	1	uA	VR=5V

Notes:

1. All dimension are in millimeter (inches);
2. Tolerance is ±0.25mm(0.01") unless otherwise specified;
3. Not recommend to solder within 3mm from the resin;
4. 1/10 Duty Cycle, 0.1ms Pulse Width.