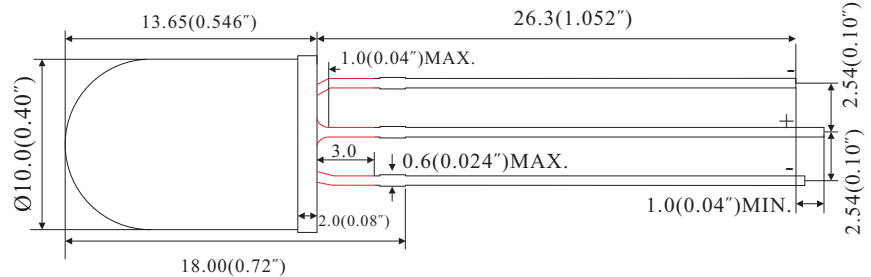
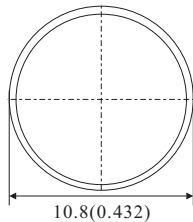




PACKAGE DIMENSION

TY-100UR5PG33M120-200



Selection Guide

Part No.	Dice		Lens Color	(If=20mA)	Viewing Angle
	Raw Material	Emitted Color		TYP. (Mcd)	
TY-100UR5PG33M120-200	AlGaInP	Super Bright Red	Milky	200	120°
	InGaN	Pure Green		200	120°

Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Maximum Rating		Units
		UR	PG	
Power Dissipation	PD	78	120	mW
Peak Forward Current ⁴	IFP	100	100	mA
Forward Current	IF	50	30	mA
Reverse Voltage	VR	5	5	V
Capacitance	C	25	20	pF
Operating/Storage Temperature	TA/TSTG	-40°C to +85°C		
Lead Solder Temperature	TSOL	260°C for 5 Seconds		

Electrical / Optical Characteristics at TA=25°C

Parameter	Symbol	TYP.		MAX.		Units	Test Condition
		UR	PG	UR	PG		
Peak Wavelength	λ_{peak}	627	530	-	-	nm	IF=20mA
Dominant Wavelength	λ_D	620	525	-	-	nm	IF=20mA
Spectral Line Half-width	$\Delta\lambda$	20	35	-	-	nm	IF=20mA
Forward Voltage	VF	1.90	3.20	2.25	3.50	V	IF=20mA
Reverse Current	IR	-	-	10	2	uA	VR=5V

Notes:

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