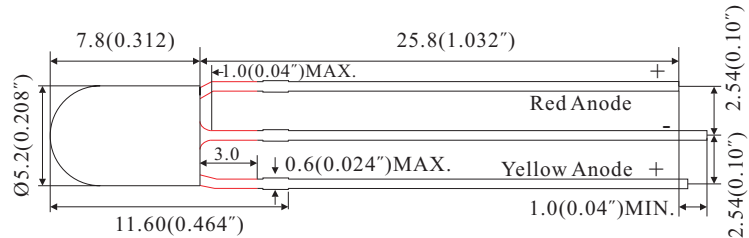
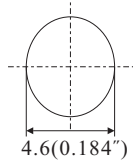




PACKAGE DIMENSION

TY-572UR2UY2W75-450N



Selection Guide

Part No.	Dice		Lens Color	(If=20mA)	Viewing Angle
	Raw Material	Emitted Color		TYP. (mcd)	
TY-572UR2UY2W75-450N	AlGaInP	Ultra Bright Red	Water Clear	450	75°
	AlGaInP	Ultra Bright Yellow		450	75°

Absolute Maximum Ratings at TA=25°C

Parameter	Symbol	Maximum Rating		Units
		UR	UY	
Power Dissipation	PD	78	78	mW
Peak Forward Current ⁴	IFP	100	150	mA
Forward Current	IF	30	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	UY	UR	UY		
Peak Wavelength	λ_{peak}	629	595	-	-	nm	IF=20mA
Dominant Wavelength	λ_D	619	585	-	-	nm	IF=20mA
Spectral Line Half-width	$\Delta\lambda$	20	20	-	-	nm	IF=20mA
Forward Voltage	VF	2.05	2.10	2.40	2.60	V	IF=20mA
Reverse Current	IR	-	-	10	10	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.