

TCO30UR

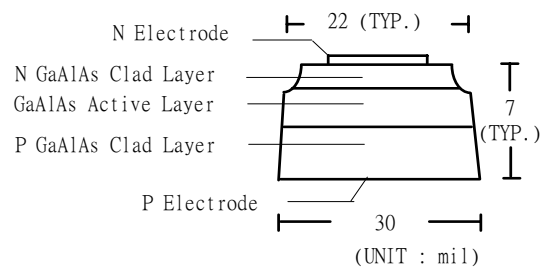
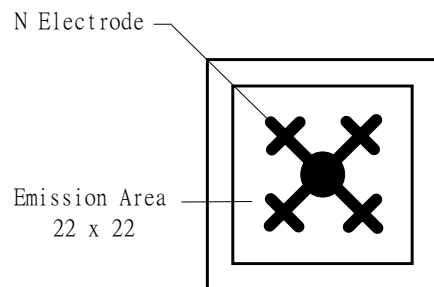
■ Features :

- AlGaAs/AlGaAs epi wafer
- DDH structure
- Ultra brightness

■ Typical Applications :

- Lamp
- Display

■ Outline Dimensions : (Unit: um)



■ Physical Structure :

Chip dimension	Chip size	762 um x 762 um
	Thickness	200 um
	Emission area	560 um
Electrode	Top: N (cathode)	Gold alloy
	Backside: P (anode)	Gold alloy
Surface condition	Not frosted	

■ Electro-Optical Characteristics : (Ta = 25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20 \text{ mA}$	-	1.75	2.00	V
Reverse Current	I_R	$V_R = 5V$	-	-	10	μA
Wavelength	λ_P	$I_F = 20 \text{ mA}$	-	660	-	nm
	Hue		-	643	-	
Spectral width at half height	$\Delta\lambda$	$I_F = 20 \text{ mA}$	-	20	-	nm
Reverse Voltage	V_R	$I_R = 10 \text{ uA}$	5.0	-	-	V
Luminous Intensity	I_V	$I_F = 20 \text{ mA}$	30	50		mcd
		$I_F = 30 \text{ mA}$		80		
		$I_F = 50 \text{ mA}$		135		