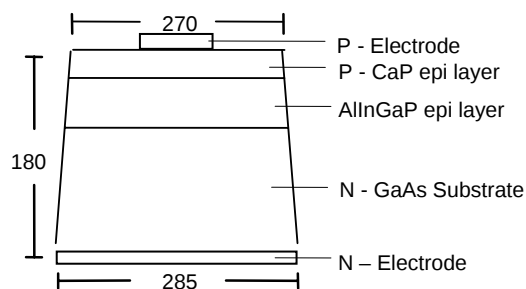
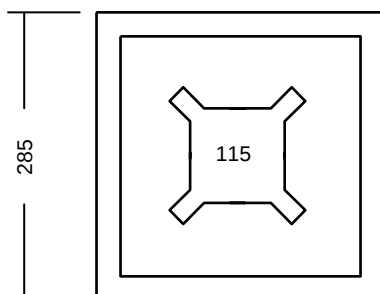


TCO12UYG



❖ Outline Dimensions:



❖ Physical Structure:

Chip dimensions		Chip size	11 mil x 11 mil	285 μm x 285 μm
		Thickness	7 mil	180 μm
		Emission area	11 mil	270 μm
		Bonding pad	4.5 mil	115μm
Electrode	Top	P (anode)	Gold (Aluminium optional)	
	Backside	N (cathode)	Gold alloy	
Surface condition		Not frosted		

❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$		1.95	2.40	V
Wavelength	λ_P	$I_F = 20\text{mA}$	-	593	-	nm
	Hue	$I_F = 20\text{mA}$	585	590	595	
Spectral width at half height	$\Delta\lambda$	$I_F = 20\text{mA}$	-	20	-	nm
Reverse Voltage	V_R	$I_R = 10\mu\text{A}$	5	-	-	V
Luminous Intensity	I_V	$I_F = 20\text{mA}$	80	-	-	mcd
			95	-	-	
			120			

AMBER