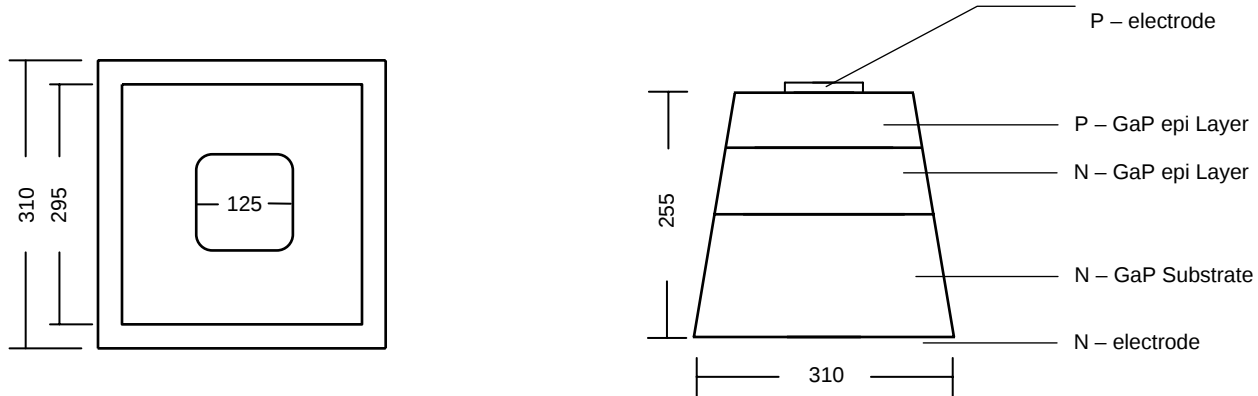


TCO313SGU



❖ Outline Dimensions:



❖ Physical Structure:

Chip dimensions		Chip size	12 mil x 12 mil	310 μm x 310 μm
		Thickness	10 mil	255 μm
		Emission area	11.6 mil	295 μm
Electrode	Top	P (anode)	Aluminium (Gold optional)	
	Backside	N (cathode)	Gold alloy	
Surface condition		Frosted		

❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	1.80	2.20	2.60	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Wavelength	λ_p	$I_F = 20\text{mA}$	-	565	-	nm
	Hue	$I_F = 20\text{mA}$	-	570	-	
Spectral Width at Half Height	$\Delta\lambda$	$I_F = 20\text{mA}$	-	26	-	nm
Luminous Intensity	I_v	$I_F = 20\text{mA}$	8.0	-	-	mcd