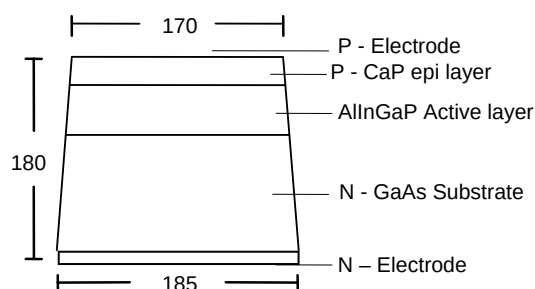
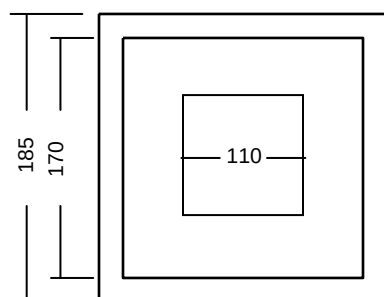


TCO09UYG-HYU



❖ Outline Dimensions:



❖ Physical Structure:

Physical Structure				
Chip dimensions		Chip size	9 mil x 9 mil	185 μm x 185 μm
		Thickness	7.1 mil	180 μm
		Emission area	6.7 mil	170 μm
		Bonding pad	4.3 mil	110 μm
Electrode	Top	P (anode)	Aluminum (Gold optional)	
	Backside	N (cathode)	Gold alloy	
Surface condition		Not frosted		

❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	2.10	2.4	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	$I_F = 20\text{mA}$	30	-	-	mcd
			40	-	-	