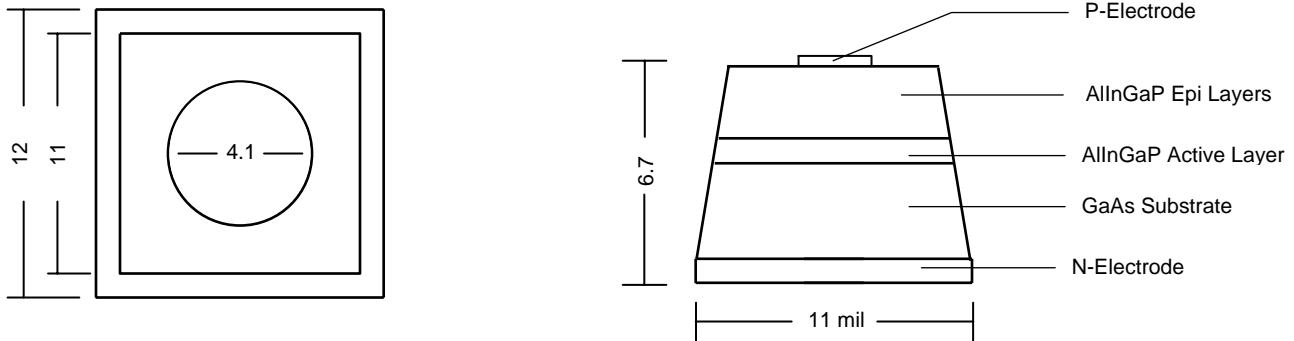


TCBC12UYU



- ❖ Features:
 - AllnGaP/GaAs LED Chips

- ❖ Outline Dimensions:



- ❖ Physical Structure:

Chip dimensions		Chip size	12 mil x 12 mil	300 μm x 300 μm
		Thickness	7 mil	178 μm
		Emission area	11 mil	275 μm
		Bonding pad	4.1 mil	104 μm
Electrode	Top	P (anode)	Gold alloy	
	Backside	N (cathode)	Gold alloy	

GREEN

- ❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	2.10	2.40	V
Wavelength	λ_d	$I_F = 20\text{mA}$	581	585	590	
Spectral width at half height	$\Delta\lambda$	$I_F = 20\text{mA}$	-	16	-	nm
Reverse Voltage	V_R	$I_F = 10\mu\text{A}$	5	-	-	V
Luminous Intensity	I_v	$I_F = 20\text{mA}$	60	-	-	mcd
			70	-	-	
			80	-	-	
			90	-	-	
			100	-	-	