

TCU16UYU



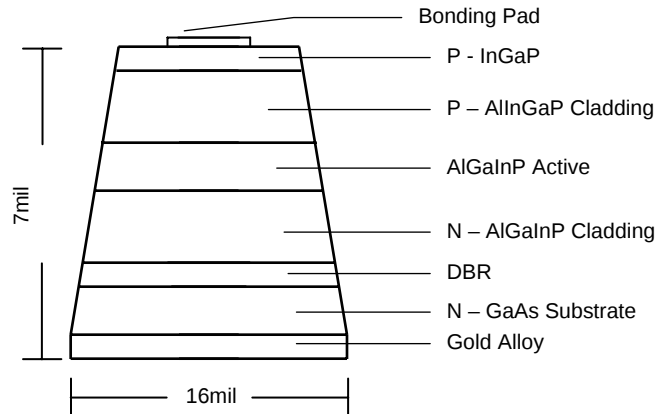
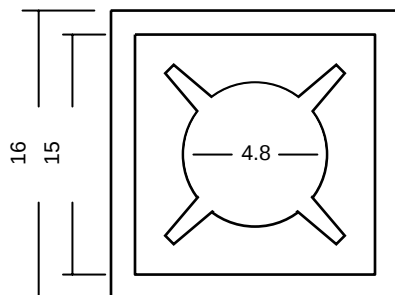
❖ Features:

- AlInGaP/GaAs LED Chips
- MOVPE Process Wafer
- MQW and DBR
- Roughen Surface

❖ Typical Applications

- Indoor/Outdoor Applications

❖ Outline Dimensions:



❖ Physical Structure:

Chip dimensions		Chip size	16 mil x 16 mil	406 μm x 406 μm
		Thickness	7 mil	178 μm
		Emission area	15 mil	381 μm
		Bonding pad	4.8 mil	122 μm
Electrode	Top	P (anode)	Gold alloy	
	Backside	N (cathode)	Gold alloy	

❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$		2.00	2.40	V
Wavelength	λ_D	$I_F = 20\text{mA}$	582	587	592	
Spectral width at half height	$\Delta\lambda$	$I_F = 20\text{mA}$	-	15	-	nm
Reverse Voltage	V_R	$I_R = 10\mu\text{A}$	5	-	-	V
Luminous Intensity	I_v	$I_F = 20\text{mA}$	70	-	-	mcd
			80	-	-	
			90	-	-	
			100	-	-	

YELLOW