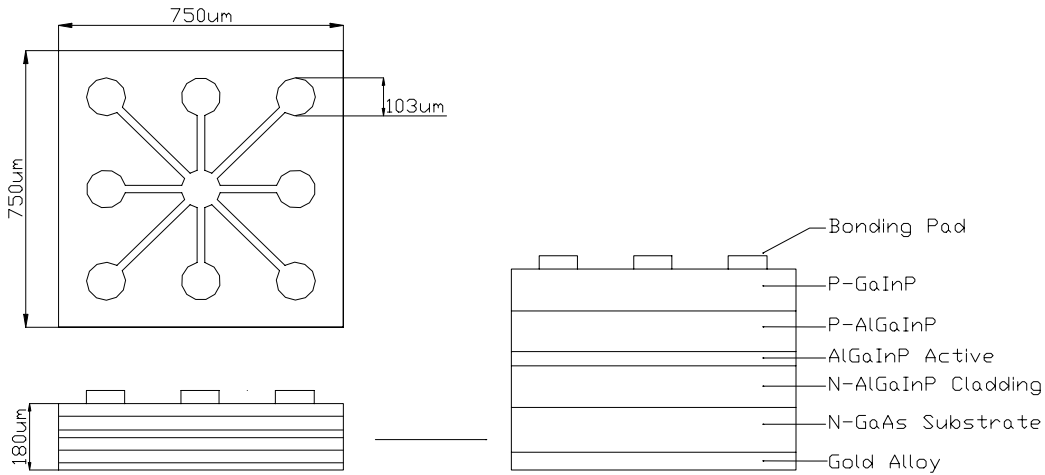


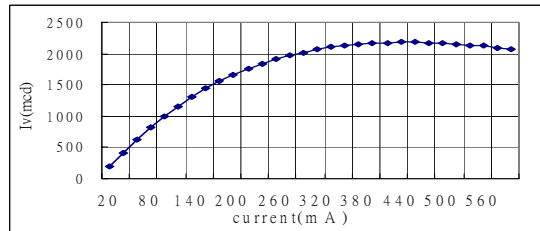
TCBC30UOR



- ❖ Features:
 - TCBC30UYG is MOVPE ultrabright LED designed for high performance and high efficiency.
 - These LEDs are ideal for both indoor and outdoor applications.
- ❖ Outline Dimensions:



- ❖ Lop curve for chip



- ❖ Physical Structure:

Chip dimensions		Chip size	30 mil x 30 mil	750 µm x 750 µm
		Thickness	7 mil	178 µm
		Bonding pad	4.2 mil	103 µm
Electrode	Top	P (anode)	Aluminum alloy	
	Backside	N (cathode)	Gold alloy	

- ❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	1.80	1.85	2.25	V
Wavelength	λ_D	$I_F = 20\text{mA}$	-	622	-	nm
Leakage current	I_r	$V_r = 5\text{V}$	-	-	10	µA
Reverse Voltage	V_R	$I_R = 10\mu\text{A}$	10	-	-	V
Luminous Intensity	I_v	$I_F = 20\text{mA}$	140	160	-	mcd