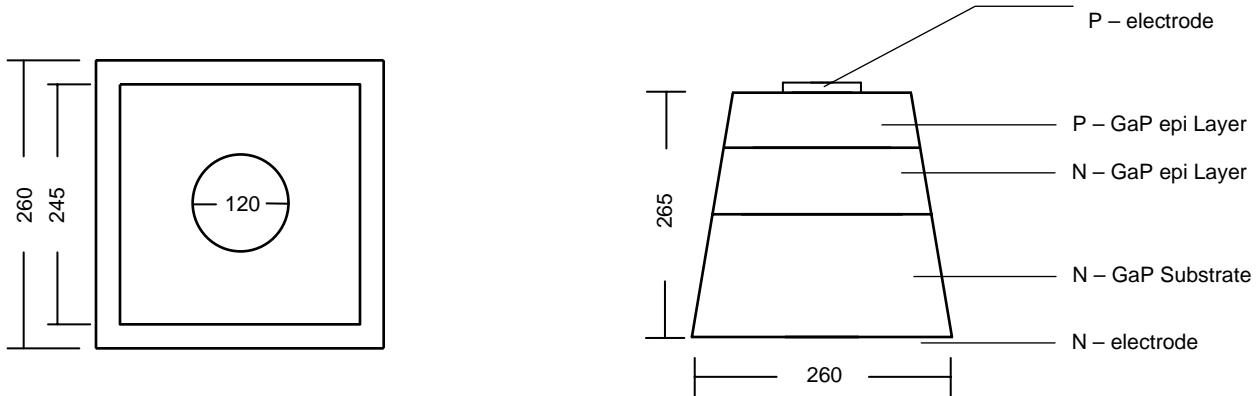


TCO11RD



❖ Outline Dimensions:



❖ Physical Structure:

Chip dimensions		Chip size	11 mil x 11 mil	260 μm x 260 μm
		Thickness	11 mil	265 μm
		Emission area	10 mil	245 μm
Electrode	Top	P (anode)	Aluminum (Gold optional)	
	Backside	N (cathode)	Gold alloy	
Surface condition		Frosted		

RED

❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	1.80	2.25	2.60	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Wavelength	λ_p	$I_F = 20\text{mA}$	-	700	-	nm
Spectral Width at Half Height	$\Delta\lambda$	$I_F = 20\text{mA}$	-	100	-	nm
Luminous Intensity	I_v	$I_F = 20\text{mA}$	0.5	-	-	mcd