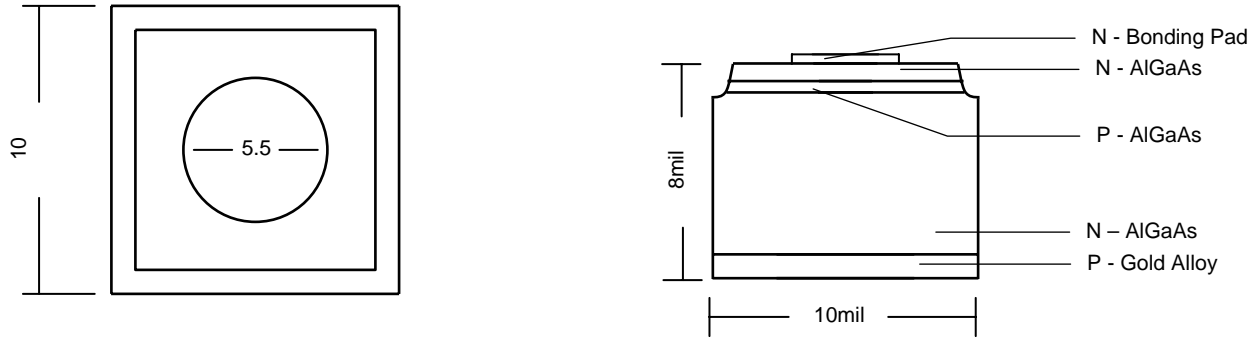


# TCM920-10

## ❖ Outline Dimensions:



## ❖ Physical Structure:

Chip dimensions		Chip size	10 mil x 10 mil	260 $\mu\text{m}$ x 260 $\mu\text{m}$
		Thickness	7 mil	180 $\mu\text{m}$
		Bonding pad	5.5 mil	140 $\mu\text{m}$
Electrode	Top	N (cathode)	Gold alloy	
	Backside	P (anode)	Gold alloy	

## ❖ Electro-Optical Characteristics:

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F$	$I_F = 20\text{mA}$	-	1.40	1.60	V
Reverse Voltage	$V_R$	$I_R = 10\mu\text{A}$	5	-	-	V
Peak Wavelength	$\lambda_P$	$I_F = 20\text{mA}$	910	920	93	nm
Spectral Bandwidth	$\Delta\lambda$	$I_F = 20\text{mA}$	-	80	-	nm
Radiant Flux	$P_O$	$I_F = 20\text{mA}$	0.7	1.2	-	mW