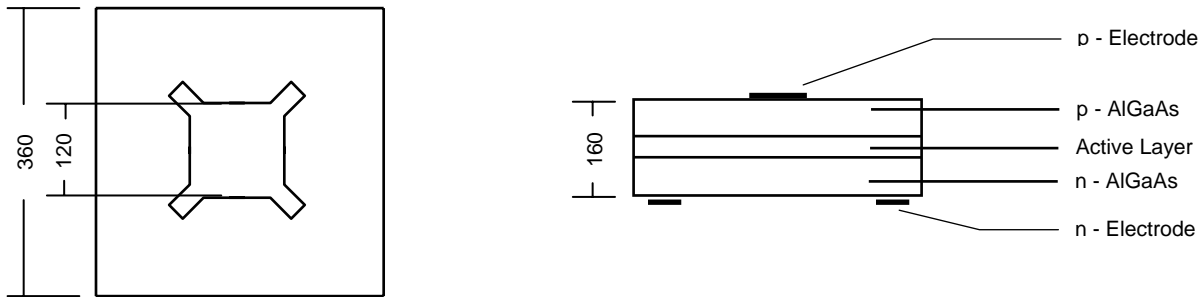


TCS905P



- ❖ Features:
AlGaAs (DHS) / AlGaAs - substrate removed

- ❖ Outline Dimensions:



- ❖ Physical Structure:

Chip dimensions		Chip size	14 mil x 14 mil	360 μm x 360 μm
		Thickness	6.3 mil	160 μm
		Bonding Pad	4.7 mil	120 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	$I_F = 20\text{mA}$	-	1.25	1.50	V
Reverse Voltage	V_R	$I_R = 10\text{mA}$	5	-	-	V
Peak Wavelength	λ_P	$I_F = 20\text{mA}$	-	905	-	nm
Output power	P_O	$I_F = 20\text{mA}$	2.6	3.2	-	mW
		$I_F = 50\text{mA}$	7.0	8.0	-	mW
Switching time	t_R, t_F	$I_F = 20\text{mA}$	-	400	-	ns