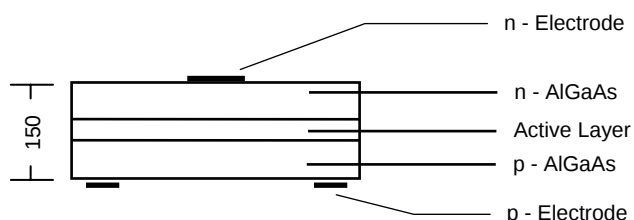
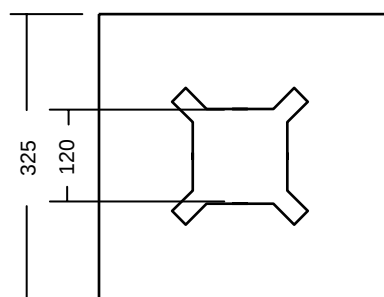


TCS790



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

- ❖ Outline Dimensions:



- ❖ Physical Structure:

Chip dimensions		Chip size	13 mil x 13 mil	325 μm x 325 μm
		Thickness	5.9 mil	150 μm
		Bonding Pad	4.7 mil	120 μm
Electrode	Top	N (cathode)	Gold alloy	
	Backside	P (anode)	Gold alloy	

- ❖ Electro-Optical Characteristics:

Parameter	Symb ol	Condition	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F = 20\text{mA}$	-	1.70	2.10	V
Reverse Current	I_R	$V_R = 5\text{V}$	-	-	10	μA
Peak Wavelength	λ_P	$I_F = 20\text{mA}$		790		nm
Output power	P_O	$I_F = 20\text{mA}$	2.4	3.3	-	mW
Switching time	t_R, t_F	$I_F = 20\text{mA}$	-	35	-	ns