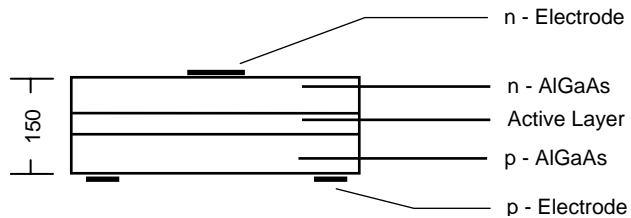
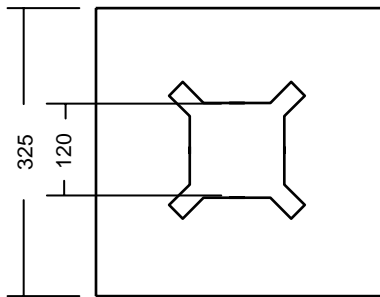


TCS730



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

- ❖ Outline Dimensions:



- ❖ Physical Structure:

| | | | | |
|-----------------|----------|-------------|-----------------|---------------------------------------|
| Chip dimensions | | Chip size | 14 mil x 14 mil | 325 μm x 325 μm |
| | | Thickness | 12.8 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 | $I_F = 20\text{mA}$ | - | 730 | - | nm |
| Output power | P_O | $I_F = 20\text{mA}$ | 1.8 | 2.2 | - | mW |