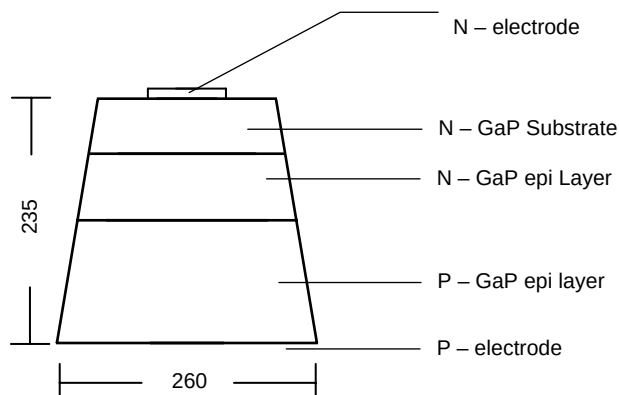
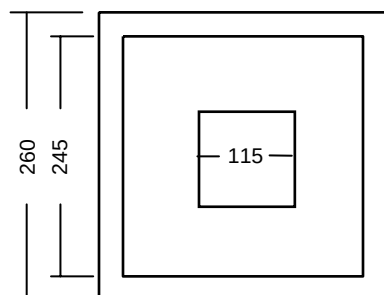


# TCO211YG



## ❖ Outline Dimensions:



## ❖ Physical Structure:

|                   |          |               |                           |                 |
|-------------------|----------|---------------|---------------------------|-----------------|
| Chip dimensions   |          | Chip size     | 10 mil x 10 mil           | 260 μm x 260 μm |
|                   |          | Thickness     | 9.2 mil                   | 235 μm          |
|                   |          | Emission area | 9.6 mil                   | 245 μm          |
| Electrode         | Top      | N (cathode)   | Aluminium (Gold optional) |                 |
|                   | Backside | P (anode)     | Gold alloy                |                 |
| Surface condition |          | Not Frosted   |                           |                 |

## ❖ Electro-Optical Characteristics:

| Parameter                     | Symbol          | Condition           | Min. | Typ. | Max. | Unit          |
|-------------------------------|-----------------|---------------------|------|------|------|---------------|
| Forward Voltage               | $V_F$           | $I_F = 20\text{mA}$ | 1.90 | 2.20 | 2.50 | V             |
| Reverse Current               | $I_R$           | $V_R = 5\text{V}$   | -    | -    | 10   | $\mu\text{A}$ |
| Wavelength                    | $\lambda_P$     | $I_F = 20\text{mA}$ | -    | 568  | -    | nm            |
|                               | Hue             | $I_F = 20\text{mA}$ | -    | 573  | -    |               |
| Spectral Width at Half Height | $\Delta\lambda$ | $I_F = 20\text{mA}$ | -    | 30   | -    | nm            |
| Luminous Intensity            | $I_v$           | $I_F = 20\text{mA}$ | 3.0  | -    | -    | mcd           |