

# 470nm GaN Blue LED chip

**Features:**

- Peak wavelength 470 nm
- Low current
- Long life time
- High illumination

**Application**

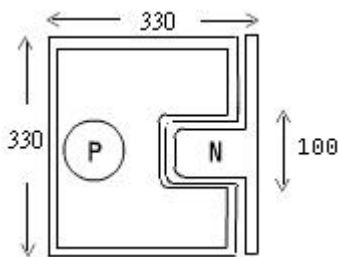
- Consumer Applications
- Sign or display
- Industry display
- Automobile industry

**Electro-optical characteristics: ( @ 25 )**

| Characteristics    | Test Conditions       | Symbol     | Min | Typ | Max | Unit |
|--------------------|-----------------------|------------|-----|-----|-----|------|
| Forward voltage    | $I_f = 20 \text{ mA}$ | $V_f$      | -   |     | 3.2 | V    |
| Reverse voltage    | $I_r = 10 \text{ uA}$ | $V_r$      | -   | 5   | -   | V    |
| Light              | $I_f = 20 \text{ mA}$ | $I_n$      | 30  | 35  | 40  | mcd  |
| Peak wavelength    | $I_f = 20 \text{ mA}$ | $I_p$      | 470 |     | 475 | nm   |
| Spectra half-width | $I_f = 20 \text{ mA}$ | $\Delta I$ | -   | -   | -   | nm   |

Metrodyne reserves the right to make changes due to the improvement of process and package technology

**Chip diagram**



Chip size : 330um x 330um  
 Chip thickness : 90±10um  
 Bonding pad : 100um

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