

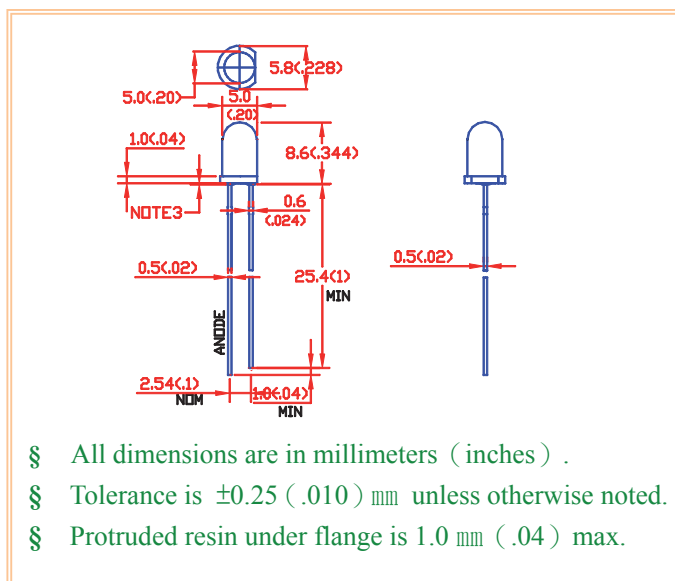

Part No. : HI-I05A6ORDAE-213
19/4235

§ Standard 5mm diameter package.

Characters

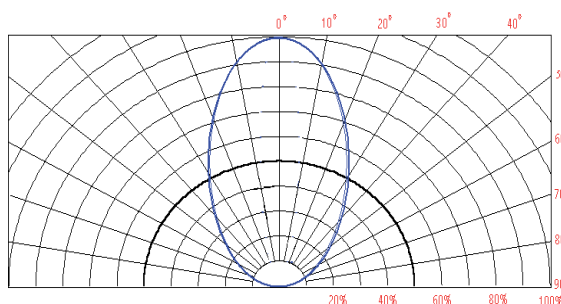
§ High intensity.

| ITEM | MATERIALS | |
|-----------------|-----------------------|---------------------|
| Resin(Mold) | Epoxy | |
| Lens Color Code | C | Water Transparent |
| | T | Colored Transparent |
| | D | White Diffused |
| | E | Colored Diffused |
| Lead Frame | Ag Plating Iron Alloy | |
| Dice | InGaN | |

Outline Dimensions

Absolute Maximum Ratings (Ta=25°C)

| Item | Symbol | Value | Unit |
|------------------------|--------|-------------|------|
| Power Dissipation | PD | 100 | mW |
| DC Forward Current | IF | 30 | mA |
| Pulsed Forward Current | IFP | 100* | mA |
| Reverse Voltage | VR | 5 | V |
| Operating Temperature | Topr | -25 ~ +80 | °C |
| Storage Temperature | Tstg | -40 ~ +100 | °C |
| Soldering Temperature | Tsol | 260for5secΔ | °C |

* Duty 1/10 Pulse Width 0.1ms Δ At the position of 4mm from the bottom of the package

Directive Characteristics (Ta=25°C)

Electrical-Optical Characteristics (Ta=25°C)

| Parameter | Symbol | Value | | | Unit | Test condition |
|-------------------------|--------------------|-------|------|------|------|----------------------|
| | | Min. | Typ. | Max. | | |
| Operating Voltage | Vf | 1.8 | --- | 2.4 | V | I _f =20mA |
| Luminous intensity | Iv | 150 | 200 | 400 | mcd | I _f =20mA |
| Wavelength | x(& λ d) | 620 | --- | 630 | (nm) | I _f =20mA |
| | y | --- | --- | --- | --- | I _f =20mA |
| Reverse Current | I _r | --- | --- | 5 | μA | V _r =5V |
| Viewing angle | 2 θ _{1/2} | --- | 60 | --- | Deg | I _f =20mA |
| Spectral half bandwidth | Δ λ | --- | 25 | --- | nm | I _f =20mA |