

# Square Type

## □ 3.0 mm × 7.0 mm Series

| Conventional Part No. | Global Part No. | Lighting Color |
|-----------------------|-----------------|----------------|
| LN216RPH              | LNG216RFR       | Red            |
| LN316GPH              | LNG316GFG       | Green          |
| LN416YPH              | LNG416YFX       | Amber          |
| LN816RPH              | LNG816RFD       | Orange         |

### ■ Absolute Maximum Ratings ( $T_a = 25^{\circ}\text{C}$ )

| Lighting Color | $P_D(\text{mW})$ | $I_F(\text{mA})$ | $I_{FP}(\text{mA})^*$ | $V_R(\text{V})$ | $T_{opr}(\text{C}^{\circ})$ | $T_{stg}(\text{C}^{\circ})$ |
|----------------|------------------|------------------|-----------------------|-----------------|-----------------------------|-----------------------------|
| Red            | 70               | 25               | 150                   | 4               | -25 ~ +85                   | -30 ~ +100                  |
| Green          | 90               | 30               | 150                   | 4               | -25 ~ +85                   | -30 ~ +100                  |
| Amber          | 90               | 30               | 150                   | 4               | -25 ~ +85                   | -30 ~ +100                  |
| Orange         | 90               | 30               | 150                   | 3               | -25 ~ +85                   | -30 ~ +100                  |

\*  $I_{FP}$  的条件は, duty 10%, Pulse width 1 msec. The condition of  $I_{FP}$  is duty 10%, Pulse width 1 msec

### ■ Electro-Optical Characteristics ( $T_a = 25^{\circ}\text{C}$ )

| Conventional Part No. | Lighting Color | Lens Color     | $I_O$ |     |       | $V_F$ |     | $\lambda_P$ | $\Delta\lambda$ | $I_R$ |               |       |
|-----------------------|----------------|----------------|-------|-----|-------|-------|-----|-------------|-----------------|-------|---------------|-------|
|                       |                |                | Typ   | Min | $I_F$ | Typ   | Max | Typ         | Typ             | $I_F$ | Max           | $V_R$ |
| LN216RPH              | Red            | Red Diffused   | 0.5   | 0.2 | 15    | 2.2   | 2.8 | 700         | 20              | 20    | 5             | 4     |
| LN316GPH              | Green          | Green Diffused | 1.5   | 0.6 | 20    | 2.2   | 2.8 | 565         | 30              | 20    | 10            | 4     |
| LN416YPH              | Amber          | Amber Diffused | 1.5   | 0.6 | 20    | 2.2   | 2.8 | 590         | 30              | 20    | 10            | 4     |
| LN816RPH              | Orange         | Red Diffused   | 2.5   | 1.0 | 20    | 2.1   | 2.8 | 630         | 40              | 20    | 10            | 3     |
| Unit                  | —              | —              | mcd   | mcd | mA    | V     | V   | nm          | nm              | mA    | $\mu\text{A}$ | V     |

