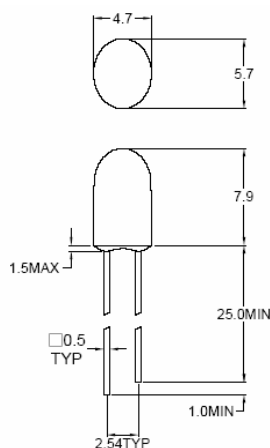


| Color | Type | Technology | Case |
|-------|---------------|------------|-----------------------------------|
| Red | R-660-62x28/B | AlGaAs | plastic oval lens, water clear |



Maximum Ratings at $T_a = 25^\circ\text{C}$

| Parameter | Test conditions | Symbol | Value | Unit |
|-----------------------|----------------------------|-----------|-------------|------------------|
| Forward current | | I_F | 40 | mA |
| Peak forward current | Duty 1/10, $f \leq 10$ kHz | I_{FP} | 120 | mA |
| Power dissipation | | P_D | 100 | mW |
| Reverse voltage | $I_R = 10 \mu\text{A}$ | V_R | 5 | V |
| Reverse current | $U_R = 5$ V | I_R | 10 | μA |
| Operating temperature | | T_{opr} | -40 to +85 | $^\circ\text{C}$ |
| Storage temperature | | T_{stg} | -40 to +100 | $^\circ\text{C}$ |
| Soldering temperature | 5 sec max, 2 mm from body | T_{sol} | 260 | $^\circ\text{C}$ |

Optical and Electrical Characteristics at $T_a = 25^\circ\text{C}$

| Parameter | Test conditions | Symbol | Min. | Typ. | Max. | Unit |
|---------------------|-----------------|-----------------|------|---------|------|------|
| Forward voltage | $I_F = 20$ mA | V_F | 1.5 | 2.0 | 2.4 | V |
| Luminous intensity | $I_F = 20$ mA | I_V | 200 | 350 | | mcd |
| Luminous flux | $I_F = 20$ mA | Φ_V | | 165 | | mlm |
| Radiant power | $I_F = 20$ mA | Φ_e | | 3.2 | | mW |
| Peak wavelength | $I_F = 20$ mA | λ_p | | 660 | | nm |
| Dominant wavelength | $I_F = 20$ mA | λ_d | | 660 | | nm |
| Spectral halfwidth | $I_F = 20$ mA | $\Delta\lambda$ | | 20 | | nm |
| Viewing angle | $I_F = 20$ mA | φ | | V62/H28 | | deg. |