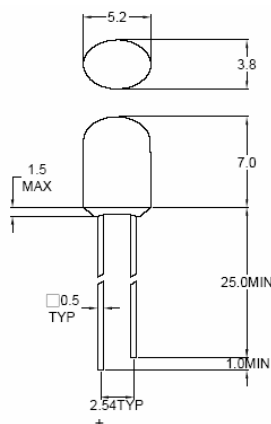


| Color | Type | Technology | Case |
|-------|---------------|-------------|-----------------------------------|
| Red | RH-630-40x110 | AllnGaP/GaP | plastic oval lens, water clear |



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

| Parameter | Test conditions | Symbol | Value | Unit |
|-------------------------|----------------------------|-----------|-------------|------------------|
| Forward current | | I_F | 50 | mA |
| Peak forward current | Duty 1/10, $f \leq 10$ kHz | I_{FP} | 100 | mA |
| Power dissipation | | P_D | 130 | mW |
| Reverse voltage | $I_R = 10 \mu\text{A}$ | V_R | 5 | V |
| Reverse current | $U_R = 5$ V | I_R | 10 | μA |
| Electrostatic discharge | Human body model | ESD | 2000 | V |
| 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 | 1.7 | 2.4 | 2.6 | V |
| Luminous intensity | $I_F = 20$ mA | I_V | | 950 | | mcd |
| Luminous flux | $I_F = 20$ mA | Φ_V | | 1000 | | lm |
| Radiant power | $I_F = 20$ mA | Φ_e | | 8.5 | | mW |
| Peak wavelength | $I_F = 20$ mA | λ_p | | 630 | | nm |
| Dominant wavelength | $I_F = 20$ mA | λ_d | | 630 | | nm |
| Spectral halfwidth | $I_F = 20$ mA | $\Delta\lambda$ | | 20 | | nm |
| Viewing angle | $I_F = 20$ mA | φ | | V40/H110 | | deg. |