

Red SDM 2570/2577R (GaP)

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

| | | |
|-------------------------|------------|------------------|
| Power dissipation/Total | 700 | mW |
| Power dissipation/ Dot | 20 | mW |
| Forward current | 10 | mA |
| Peak forward current | 60* | mA |
| Reverse voltage | 4 | V |
| Operating temperature | -25 ~ +85 | $^\circ\text{C}$ |
| Storage temperature | -55 ~ +100 | $^\circ\text{C}$ |

Electrical/Optical Characteristics ($T_a = 25^\circ\text{C}$)

| Parameter | Symbol | Conditions | Min | Typ | Max. | Unit |
|--------------------------|-----------------|---------------------|-----|-----|------|----------------|
| Forward voltage/Seg | V_F | $I_F = 10\text{mA}$ | — | 2.1 | 2.3 | V |
| Reverse current/Seg | I_R | $V_R = 4\text{V}$ | — | — | 10 | μA |
| Luminous intensity/digit | I_V | $I_F = 10\text{mA}$ | 300 | 800 | — | μcd |
| Peak wavelength | λ_P | $I_F = 10\text{mA}$ | — | 700 | — | nm |
| Spectral line halfwidth | $\Delta\lambda$ | $I_F = 10\text{mA}$ | — | 100 | — | nm |

Green SDM 2570/2577G (GaP)

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

| | | |
|-------------------------|------------|------------------|
| Power dissipation/Total | 700 | mW |
| Power dissipation/ Dot | 20 | mW |
| Forward current | 10 | mA |
| Peak forward current | 60* | mA |
| Reverse voltage | 4 | V |
| Operating temperature | -25 ~ +85 | $^\circ\text{C}$ |
| Storage temperature | -55 ~ +100 | $^\circ\text{C}$ |

Electrical/Optical Characteristics ($T_a = 25^\circ\text{C}$)

| Parameter | Symbol | Conditions | Min | Typ | Max. | Unit |
|--------------------------|-----------------|---------------------|-----|-----|------|----------------|
| Forward voltage/Seg | V_F | $I_F = 10\text{mA}$ | — | 2.1 | 2.3 | V |
| Reverse current/Seg | I_R | $V_R = 4\text{V}$ | — | — | 10 | μA |
| Luminous intensity/digit | I_V | $I_F = 10\text{mA}$ | 350 | 900 | — | μcd |
| Peak wavelength | λ_P | $I_F = 10\text{mA}$ | — | 555 | — | nm |
| Spectral line halfwidth | $\Delta\lambda$ | $I_F = 10\text{mA}$ | — | 30 | — | nm |

Orange SDM 2570/2577SR (GaAsP/GaP)

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

| | | |
|-------------------------|------------|------------------|
| Power dissipation/Total | 700 | mW |
| Power dissipation/ Dot | 20 | mW |
| Forward current | 10 | mA |
| Peak forward current | 60* | mA |
| Reverse voltage | 4 | V |
| Operating temperature | -25 ~ +85 | $^\circ\text{C}$ |
| Storage temperature | -55 ~ +100 | $^\circ\text{C}$ |

Electrical/Optical Characteristics ($T_a = 25^\circ\text{C}$)

| Parameter | Symbol | Conditions | Min | Typ | Max. | Unit |
|--------------------------|-----------------|---------------------|-----|------|------|----------------|
| Forward voltage/Seg | V_F | $I_F = 10\text{mA}$ | — | 2.0 | 2.2 | V |
| Reverse current/Seg | I_R | $V_R = 4\text{V}$ | — | — | 10 | μA |
| Luminous intensity/digit | I_V | $I_F = 10\text{mA}$ | 700 | 1500 | — | μcd |
| Peak wavelength | λ_P | $I_F = 10\text{mA}$ | — | 635 | — | nm |
| Spectral line halfwidth | $\Delta\lambda$ | $I_F = 10\text{mA}$ | — | 35 | — | nm |

Yellow-green SDM 2570/2577UG (GaP)

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

| | | |
|-------------------------|------------|------------------|
| Power dissipation/Total | 700 | mW |
| Power dissipation/ Dot | 20 | mW |
| Forward current | 10 | mA |
| Peak forward current | 60* | mA |
| Reverse voltage | 4 | V |
| Operating temperature | -25 ~ +85 | $^\circ\text{C}$ |
| Storage temperature | -55 ~ +100 | $^\circ\text{C}$ |

Electrical/Optical Characteristics ($T_a = 25^\circ\text{C}$)

| Parameter | Symbol | Conditions | Min | Typ | Max. | Unit |
|--------------------------|-----------------|---------------------|-----|------|------|----------------|
| Forward voltage/Seg | V_F | $I_F = 10\text{mA}$ | — | 2.1 | 2.3 | V |
| Reverse current/Seg | I_R | $V_R = 4\text{V}$ | — | — | 10 | μA |
| Luminous intensity/digit | I_V | $I_F = 10\text{mA}$ | 600 | 1500 | — | μcd |
| Peak wavelength | λ_P | $I_F = 10\text{mA}$ | — | 565 | — | nm |
| Spectral line halfwidth | $\Delta\lambda$ | $I_F = 10\text{mA}$ | — | 30 | — | nm |

* Pulse Width 1 ms
Duty Cycle 1/5