

Part Number: SC10-21HWA

BRIGHT RED

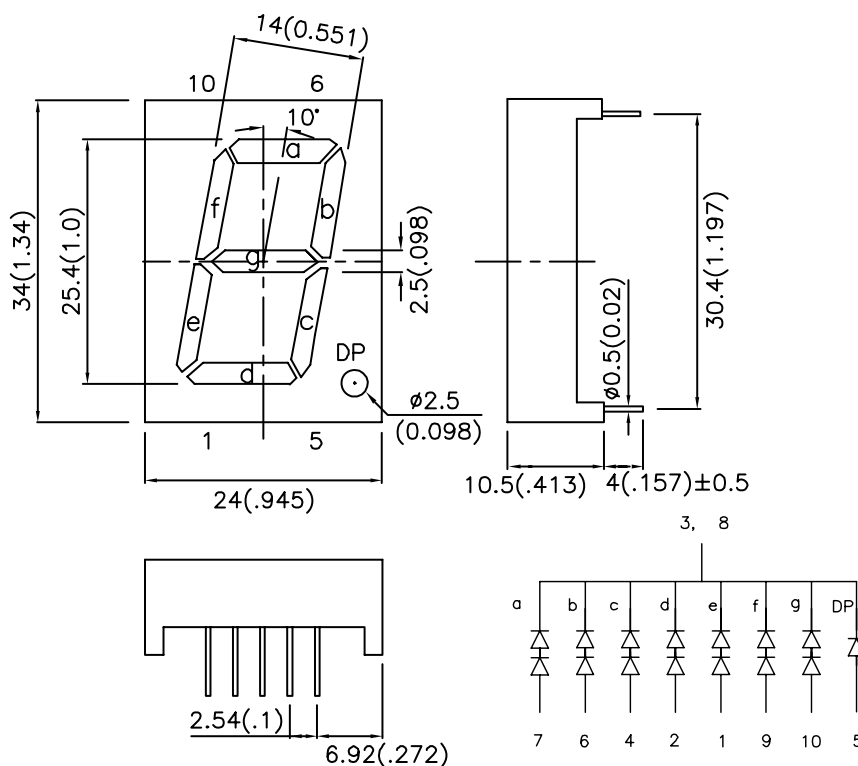
Features

- 1.0 INCH DIGIT HEIGHT.
- LOW CURRENT OPERATION.
- EXCELLENT CHARACTER APPEARANCE.
- HIGH LIGHT OUTPUT.
- EASY MOUNTING ON P.C. BOARDS OR SOCKETS.
- I.C. COMPATIBLE.
- MECHANICALLY RUGGED.
- STANARD : GRAY FACE, WHITE SEGMENT.
- RoHS COMPLIANT.

Description

The Bright Red source color devices are made with Gallium Phosphide Red Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes:

1. All dimensions are in millimeters (inches), Tolerance is $\pm 0.25(0.01)$ " unless otherwise noted.
2. Specifications are subject to change without notice.



Selection Guide

| Part No. | Dice | Lens Type | Iv (ucd) [1] @ 10mA | | Description |
|------------|-----------------|----------------|------------------------|------|-------------------------------------|
| | | | Min. | Typ. | |
| SC10-21HWA | BRIGHT RED(GaP) | WHITE DIFFUSED | 800 | 2925 | Common Cathode,Rt. Hand Decimal. |

Note:

1. Luminous Intensity / Luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|--|------------|---------------|--------------|-------|-----------------|
| λ_{peak} | Peak Wavelength | Bright Red | 700 | | nm | IF=20mA |
| λ_D [1] | Dominant Wavelength | Bright Red | 660 | | nm | IF=20mA |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Bright Red | 45 | | nm | IF=20mA |
| C | Capacitance | Bright Red | 40 | | pF | VF=0V;f=1MHz |
| VF [2] | Forward Voltage Per Segment or (Dp) | Bright Red | 4.5 (2.25) | 5.0 (2.5) | V | IF=20mA |
| IR | Reverse Current Per Segment or (Dp) | Bright Red | | 10 | uA | VR = 10(5)V |

Notes:

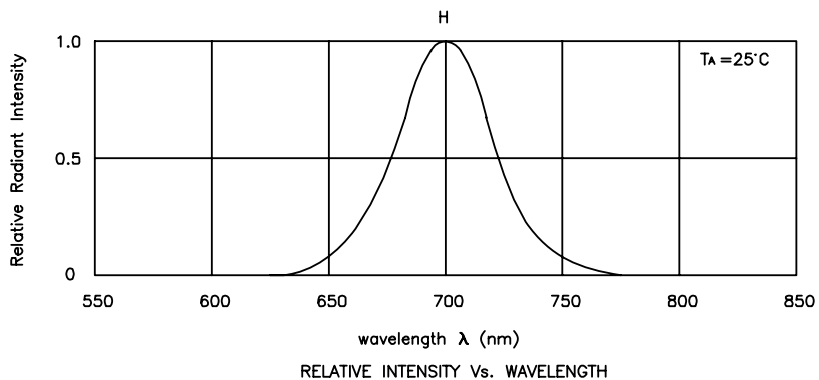
1. Wavelength: +/-1nm.
2. Forward Voltage: +/-0.1V.

Absolute Maximum Ratings at TA=25°C

| Parameter | Bright Red | Units |
|---|-----------------------|-------|
| Power dissipation Per Segment or (Dp) | 125 (62.5) | mW |
| DC Forward Current Per Segment or (Dp) | 25 (25) | mA |
| Peak Forward Current [1] Per Segment or (Dp) | 130 (130) | mA |
| Reverse Voltage Per Segment or (Dp) | 10 (5) | V |
| Operating / Storage Temperature | -40°C To +85°C | |
| Lead Solder Temperature [2] | 260°C For 3-5 Seconds | |

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.
2. 2mm below package base.



Bright Red

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