

SA10-11SRWA SUPER BRIGHT RED

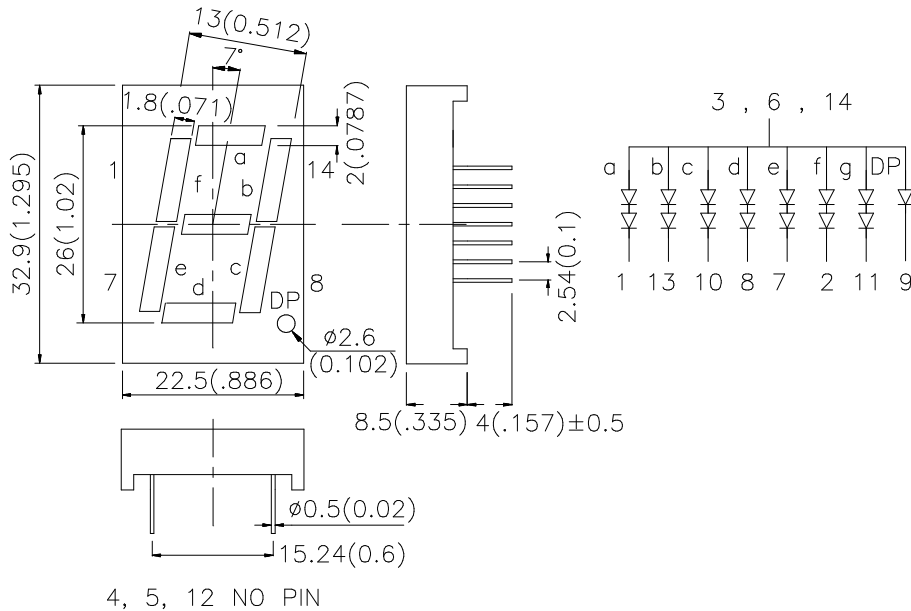
Features

- 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.
- STANDARD : GRAY FACE, WHITE SEGMENT.

Description

The Super Bright Red source color devices are made with Gallium Aluminum Arsenide Red Light Emitting Diode.

Package Dimensions & Internal Circuit Diagram



Notes:

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

Selection Guide

| Part No. | Dice | Lens Type | Iv (ucd) @ 10 mA | | Description |
|-------------|---------------------------|----------------|---------------------|-------|--------------------------------|
| | | | Min. | Typ. | |
| SA10-11SRWA | SUPER BRIGHT RED (GaAlAs) | WHITE DIFFUSED | 18000 | 60000 | Common Anode, Rt. Hand Decimal |

Electrical / Optical Characteristics at T_A=25°C

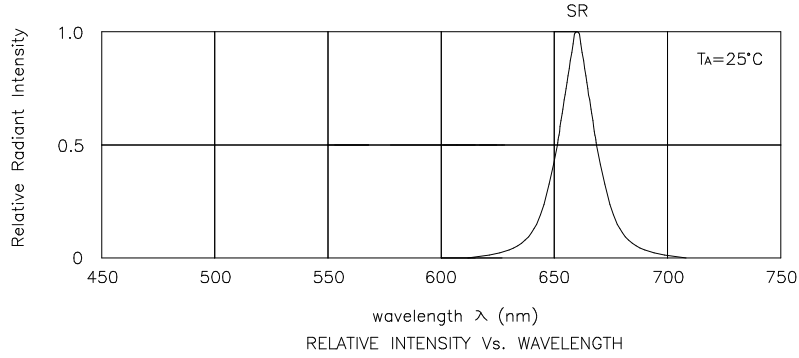
| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|--------------------------|------------------|------|------|-------|-------------------------------|
| λ_{peak} | Peak Wavelength | Super Bright Red | 660 | | nm | I _F = 20mA |
| λ_D | Dominant Wavelength | Super Bright Red | 640 | | nm | I _F = 20mA |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Super Bright Red | 20 | | nm | I _F = 20mA |
| C | Capacitance | Super Bright Red | 45 | | pF | V _F = 0V; f = 1MHz |
| V _F | Forward Voltage | Super Bright Red | 1.85 | 2.5 | V | I _F = 20mA |
| I _R | Reverse Current | Super Bright Red | | 10 | uA | V _R = 5V |

Absolute Maximum Ratings at T_A=25°C

| Parameter | Super Bright Red | Units |
|-------------------------------|---------------------|-------|
| Power dissipation | 100 | mW |
| DC Forward Current | 30 | mA |
| Peak Forward Current [1] | 155 | mA |
| Reverse Voltage | 5 | V |
| Operating/Storage Temperature | -40°C To +85°C | |
| Lead Solder Temperature [2] | 260°C For 5 Seconds | |

Notes:

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



Super Bright Red SA10-11SRWA

