

Specification for Approval

DEVICE NUMBER: BS-A324RI

CUSTOMER:

SAMPLES ATTACHED AREA

| PAGE DATE | 1 | 2 | 3 | 4 | | | | | | | CONTENTS |
|--------------|-----|-----|-----|-----|---|---|----|---|---|---|------------------|
| 2015/7/26 | 1.0 | 1.0 | 1.0 | 1.0 | | | | | | | Initial Released |
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FOR CUSTOMER'S APPROVAL STAMP OR SIGNATURE

| APPROVED | PURCHASE | MANUFACTURE | QUALITY | ENGINEERING |
|----------|----------|-------------|---------|-------------|
| | | | | |
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| ISSUED | APPROVED | PREPARED |
|--------|----------|----------|
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BS-A324RI

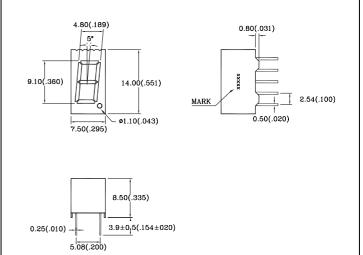
Features :

- 1. 0.36 inch (9.10mm) Digit Height.
- 2. Continuous uniform segments.
- 3. Low power requirement.
- 4. Excellent characters appearance.
- 5. Solid state reliability.
- 6. Categorized for luminous intensity.
- 7. Direct drive common anode.

Description :

- The BS-A324RI is a 9.10mm(0.36")
 high single digit seven segments display.
- 2. This product use hi-eff red chips, .
- 3. This product have a gray face and white segments.
- 4. This product doesn't contain restriction substance, comply ROHS standard.

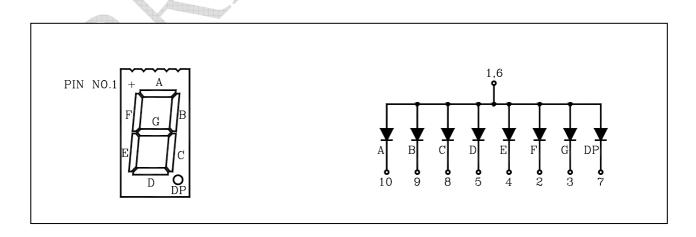
Package Dimensions :



Notes:

- 1. All dimensions are in millimeters(inches).
- 2. Tolerance is ±0.25mm(.01")unless otherwise specified.
- 3. Specifications are subject to change without notice.

Internal Circuit Diagram :





BS-A324RI

● Absolute Maximum Ratings(Ta=25°C)

| Parameter | Symbol | Rating | Unit |
|----------------------------------|-----------------------------------|----------|------|
| Power Dissipation Per Segment | Pd | 80 | mW |
| Forward Current Per Segment | I _F | 30 | mA |
| Peak Forward Current Per Segment | I _{FP} (Duty 1/10, 1KHZ) | 150 | mA |
| Reverse Voltage Per Segment | V_R | 5 | ٧ |
| Operating Temperature | Topr | -40℃~85℃ | - |
| Storage Temperature | Tstg | -40℃~85℃ | - |

■ Electrical And Optical Characteristics(Ta=25°C)

| Parameter | Symbol | Condition | Min. | Тур. | Max. | Unit |
|--------------------------------|----------------|----------------------|------|------|------|------|
| Forward Voltage Per Segment | Vf | I _F =10mA | - | 1.9 | 2.5 | V |
| Luminous Intensity Per Segment | lv | I _F =10mA | - | 2.5 | - | mcd |
| Reverse Current Per Segment | I _R | V _R =5V | - | - | 100 | μΑ |
| Peak Wave Length | λр | I _F =20mA | - | 640 | - | nm |
| Dominant Wave Length | λd | I _F =20mA | 626 | - | 636 | nm |
| Spectral Line Half-width | Δλ | I _F =20mA | - | 40 | - | nm |

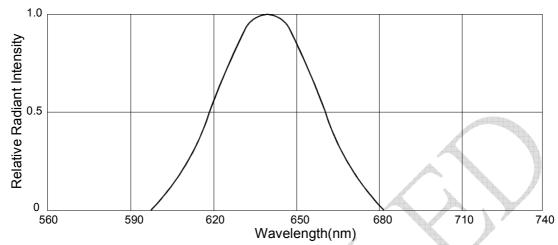


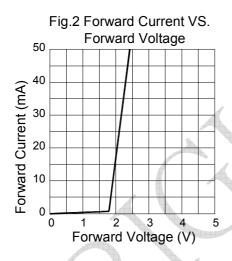
BS-A324RI

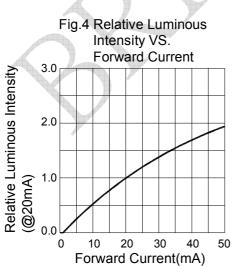
Typical Electro-Optical Characteristics Curves

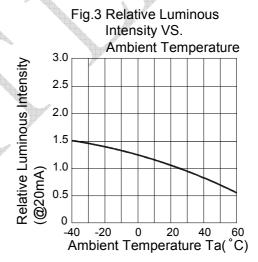
(25°C Ambient Temperature Unless Otherwise Noted)

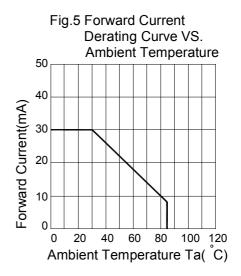
Fig.1 Relative Radiant Intensity VS. Wavelength







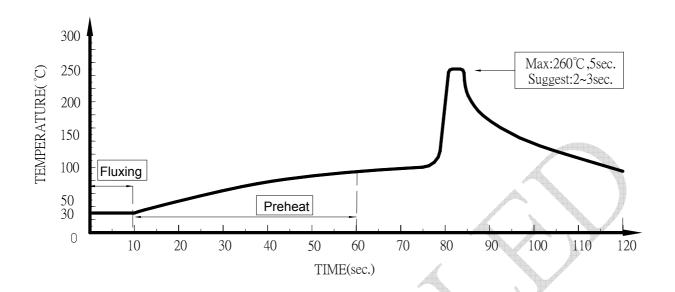






BS-A324RI

Dip Soldering



- Please avoid any external stress applied to the lead-frames and epoxy while the LEDs are at high temperature, especially during soldering
- 2. DIP soldering and hand soldering should not be done more than one time.
- 3. After soldering, avoid the epoxy lens from mechanical shock or vibration until the LEDs are back to room temerature.
- 4. Avoid rapid cooling during temperature ramp-down process
- Although the soldering condition is recommended above,soldering at the lowest possible temperature is feasible for the LEDs

IRON Soldering

350°C Within 3 sec.,One time only.