



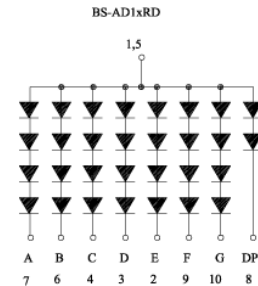
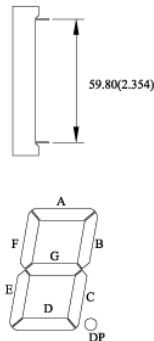
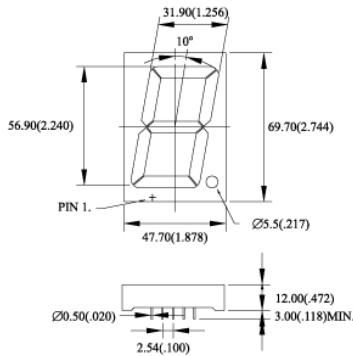
# Single Digit LED Displays BS-A/C Series

2.3", 16-segment, 7-segment

| Digit Size                       | Part No.     |                       | Chip                   |                                   | Absolute Maximum Ratings |         |         |          | Electro-optical Data(At 10mA) |      |                         | Drawing No. |
|----------------------------------|--------------|-----------------------|------------------------|-----------------------------------|--------------------------|---------|---------|----------|-------------------------------|------|-------------------------|-------------|
|                                  | Common Anode | Common Cathode        | Material/Emitted Color | Peak Wave Length $\lambda_p$ (nm) | $\Delta \lambda$ (nm)    | Pd (mw) | If (mA) | Ifp (mA) | Vf (v)                        |      | Iv. Typ. Per.Seg. (mcd) |             |
|                                  |              |                       |                        |                                   |                          |         |         |          | Typ.                          | Max. |                         |             |
| 2.30" Single-Digit               | BS-AD11RD    | BS-CD11RD             | GaAsP/Red              | 655                               | 40                       | 320     | 40      | 200      | 6.8                           | 8.0  | 6.0                     | SD-57       |
|                                  | BS-AD15RD    | BS-CD15RD             | GaP/ Bright Red        | 700                               | 90                       | 160     | 15      | 50       | 8.8                           | 10.0 | 8.0                     |             |
|                                  | BS-AD15RE    | BS-CD15RE             |                        |                                   |                          |         |         |          |                               |      |                         |             |
|                                  | BS-AD12RD    | BS-CD12RD             | GaP/ Green             | 568                               | 30                       | 310     | 30      | 150      | 8.8                           | 10.0 | 12.0                    |             |
|                                  | BS-AD13RD    | BS-CD13RD             | GaAsP/GaP/ Yellow      | 585                               | 35                       | 310     | 30      | 150      | 8.4                           | 10.0 | 10.0                    |             |
|                                  | BS-AD14RD    | BS-CD14RD             | GaAsP/GaP/ Hi-Eff.Red  | 635                               | 45                       | 310     | 30      | 150      | 8.0                           | 10.0 | 12.0                    |             |
|                                  |              |                       | GaAsP/GaP/ Orange      |                                   |                          |         |         |          |                               |      |                         |             |
|                                  | BS-AD16RD    | BS-CD16RD             | GaAlAs/ SH Super Red   | 660                               | 20                       | 310     | 30      | 150      | 6.8                           | 10.0 | 18.0                    |             |
| BS-AD1FRD                        | BS-CD1FRD    | GaAlAs/ DDH Super Red | 660                    | 20                                | 310                      | 30      | 150     | 8.0      | 10.0                          | 25.0 |                         |             |
| 2.30" Alpha-Numeric Single-Digit | BS-AD21RD    | BS-CD21RD             | GaAsP/Red              | 655                               | 40                       | 160     | 40      | 200      | 3.4                           | 4.0  | 2.5                     | SD-58       |
|                                  | BS-AD25RD    | BS-CD25RD             | GaP/ Bright Red        | 700                               | 90                       | 80      | 15      | 50       | 4.4                           | 5.0  | 3.5                     |             |
|                                  | BS-AD25RE    | BS-CD25RE             |                        |                                   |                          |         |         |          |                               |      |                         |             |
|                                  | BS-AD22RD    | BS-CD22RD             | GaP/ Green             | 568                               | 30                       | 160     | 30      | 150      | 4.4                           | 5.0  | 5.0                     |             |
|                                  | BS-AD23RD    | BS-CD23RD             | GaAsP/GaP/ Yellow      | 585                               | 35                       | 160     | 30      | 150      | 4.2                           | 5.0  | 4.0                     |             |
|                                  | BS-AD24RD    | BS-CD24RD             | GaAsP/GaP/ Hi-Eff.Red  | 635                               | 45                       | 160     | 30      | 150      | 4.4                           | 5.0  | 5.0                     |             |
|                                  |              |                       | GaAsP/GaP/ Orange      |                                   |                          |         |         |          |                               |      |                         |             |
|                                  | BS-AD26RD    | BS-CD26RD             | GaAlAs/ SH Super Red   | 660                               | 20                       | 160     | 30      | 150      | 3.4                           | 5.0  | 10.0                    |             |
| BS-AD2FRD                        | BS-CD2FRD    | GaAlAs/ DDH Super Red | 660                    | 20                                | 160                      | 30      | 150     | 4.0      | 5.0                           | 15.0 |                         |             |

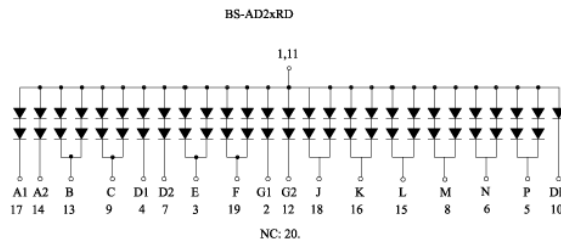
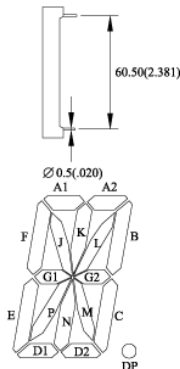
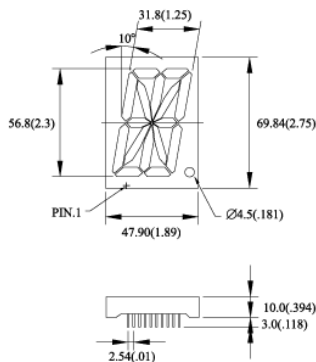
SD-57

BS-<sup>A</sup><sub>C</sub>D1xRD



SD-58

BS-<sup>A</sup><sub>C</sub>D2xRD



NOTES: 1.All Dimensions are in millimeters(ounces).

3.Specifications are subject to change without notice.

2.Tolerance is  $\pm 0.25\text{mm}(0.010")$ .

4.NP:No Pin. 5.NC:No Connect.

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