



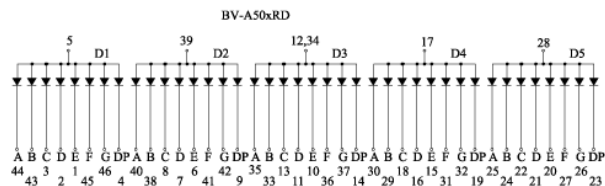
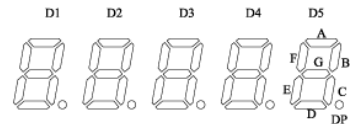
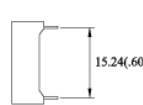
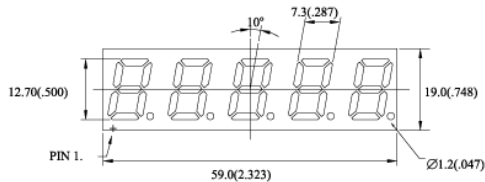
# Five Digit LED Displays BV-A/C, BV-M/N Series

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. |                         |             |
| 0.50" Five-Digit | BV-A501RD    | BV-C501RD      | GaAsP/Red              | 655                               | 40                       | 80      | 40      | 200      | 1.7                           | 2.0  | 1.0                     | VD-03       |
|                  | BV-A505RD    | BV-C505RD      | GaP/ Bright Red        | 700                               | 90                       | 40      | 15      | 50       | 2.2                           | 2.5  | 1.5                     |             |
|                  | BV-A505RE    | BV-C505RE      |                        |                                   |                          |         |         |          |                               |      |                         |             |
|                  | BV-A502RD    | BV-C502RD      | GaP/ Green             | 568                               | 30                       | 80      | 30      | 150      | 2.2                           | 2.5  | 3.5                     |             |
|                  | BV-A503RD    | BV-C503RD      | GaAsP/GaP/ Yellow      | 585                               | 35                       | 80      | 30      | 150      | 2.1                           | 2.5  | 2.5                     |             |
|                  | BV-A504RD    | BV-C504RD      | GaAsP/GaP/ Hi-Eff.Red  | 635                               | 45                       | 80      | 30      | 150      | 2.0                           | 2.5  | 3.5                     |             |
|                  |              |                | GaAsP/GaP/ Orange      |                                   |                          |         |         |          |                               |      |                         |             |
|                  | BV-A506RD    | BV-C506RD      | GaAlAs/ SH Super Red   | 660                               | 20                       | 80      | 30      | 150      | 1.7                           | 2.5  | 6.5                     |             |
|                  | BV-A50DRD    | BV-C50DRD      | GaAlAs/ DH Super Red   | 660                               | 20                       | 80      | 30      | 150      | 1.7                           | 2.5  | 7.5                     |             |
|                  | BV-M501RD    | BV-N501RD      | GaAsP/Red              | 655                               | 40                       | 80      | 40      | 200      | 1.7                           | 2.0  | 1.0                     | VD-04       |
|                  | BV-M505RD    | BV-N505RD      | GaP/ Bright Red        | 700                               | 90                       | 40      | 15      | 50       | 2.2                           | 2.5  | 1.5                     |             |
|                  | BV-M505RE    | BV-N505RE      |                        |                                   |                          |         |         |          |                               |      |                         |             |
|                  | BV-M502RD    | BV-N502RD      | GaP/ Green             | 568                               | 30                       | 80      | 30      | 150      | 2.2                           | 2.5  | 3.5                     |             |
|                  | BV-M503RD    | BV-N503RD      | GaAsP/GaP/ Yellow      | 585                               | 35                       | 80      | 30      | 150      | 2.1                           | 2.5  | 2.5                     |             |
|                  | BV-M504RD    | BV-N504RD      | GaAsP/GaP/ Hi-Eff.Red  | 635                               | 45                       | 80      | 30      | 150      | 2.0                           | 2.5  | 3.5                     |             |
|                  |              |                | GaAsP/GaP/ Orange      |                                   |                          |         |         |          |                               |      |                         |             |
|                  | BV-M506RD    | BV-N506RD      | GaAlAs/ SH Super Red   | 660                               | 20                       | 80      | 30      | 150      | 1.7                           | 2.5  | 6.5                     |             |
|                  | BV-M50DRD    | BV-N50DRD      | GaAlAs/ DH Super Red   | 660                               | 20                       | 80      | 30      | 150      | 1.7                           | 2.5  | 7.5                     |             |

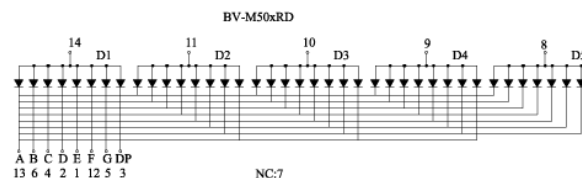
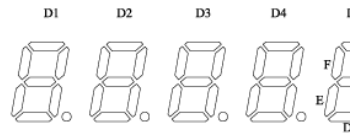
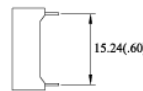
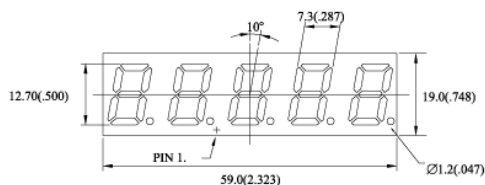
VD-03

BV-A<sub>C</sub>50xRD



VD-04

BV-M<sub>N</sub>50xRD



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

3.Specifications are subject to change without notice.

2.Tolerance is  $\pm 0.25\text{mm}(.010")$ .

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

AMERICAN BRIGHT