

SINGLE DIGIT LED DISPLAYS

| 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 λ_p (nm) | $\Delta \lambda$ (nm) | Pd (mw) | If (mA) | Ifp (mA) | Vf (v) | | Iv. Typ. Per.Seg. (mcd) | |
| | | | | | | | | | Typ. | Max. | | |
| 0.50" Alpha-Numeric Displays | BS-A561RD | BS-C561RD | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 0.7 | SD-25 |
| | BS-A565RD | BS-C565RD | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.5 | |
| | BS-A565RE | BS-C565RE | | | | | | | | | | |
| | BS-A562RD | BS-C562RD | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 3.5 | |
| | BS-A563RD | BS-C563RD | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.5 | |
| | BS-A564RD | BS-C564RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 3.5 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BS-A566RD | BS-C566RD | GaAlAs/ SH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 6.5 | |
| | BS-A56DRD | BS-C56DRD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 7.5 | |
| | BS-A561RD-A | BS-C561RD-A | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 0.7 | SD-26 |
| | BS-A565RD-A | BS-C565RD-A | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.5 | |
| | BS-A565RE-A | BS-C565RE-A | | | | | | | | | | |
| | BS-A562RD-A | BS-C562RD-A | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 3.5 | |
| | BS-A563RD-A | BS-C563RD-A | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.5 | |
| | BS-A564RD-A | BS-C564RD-A | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 3.5 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BS-A566RD-A | BS-C566RD-A | GaAlAs/ SH Super Red | 660 | 20 | 60 | 30 | 150 | 1.7 | 2.5 | 6.5 | |
| | BS-A56DRD-A | BS-C56DRD-A | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 7.5 | |
| 0.52" Single-Digit | BS-A531RD | BS-C531RD | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 1.0 | SD-27 |
| | BS-A535RD | BS-C535RD | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.5 | |
| | BS-A535RE | BS-C535RE | | | | | | | | | | |
| | BS-A532RD | BS-C532RD | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 3.0 | |
| | BS-A533RD | BS-C533RD | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.0 | |
| | BS-A534RD | BS-C534RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 3.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BS-A536RD | BS-C536RD | GaAlAs/ SH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 7.0 | |
| | BS-A53DRD | BS-C53DRD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 8.0 | |
| | BS-A541RD | BS-C541RD | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 1.0 | SD-28 |
| | BS-A545RD | BS-C545RD | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.5 | |
| | BS-A545RE | BS-C545RE | | | | | | | | | | |
| | BS-A542RD | BS-C542RD | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 3.0 | |
| | BS-A543RD | BS-C543RD | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.0 | |
| | BS-A544RD | BS-C544RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 3.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BS-A546RD | BS-C546RD | GaAlAs/ SH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 7.0 | |
| | BS-A54DRD | BS-C54DRD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 8.0 | |
| 0.56" Single-Digit | BS-A511RD | BS-C511RD | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 1.0 | SD-29 |
| | BS-A515RD | BS-C515RD | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.5 | |
| | BS-A515RE | BS-C515RE | | | | | | | | | | |
| | BS-A512RD | BS-C512RD | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 3.0 | |
| | BS-A513RD | BS-C513RD | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.0 | |
| | BS-A514RD | BS-C514RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 3.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BS-A516RD | BS-C516RD | GaAlAs/ SH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 7.0 | |
| | BS-A51DRD | BS-C51DRD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 8.0 | |
| 0.56" Overflow Single-Digit | BF-A511RD | BF-C511RD | GaAsP/Red | 655 | 40 | 80 | 40 | 200 | 1.7 | 2.0 | 1.0 | SD-30 |
| | BF-A515RD | BF-C515RD | GaP/ Bright Red | 700 | 90 | 40 | 15 | 50 | 2.2 | 2.5 | 1.5 | |
| | BF-A515RE | BF-C515RE | | | | | | | | | | |
| | BF-A512RD | BF-C512RD | GaP/ Green | 568 | 30 | 80 | 30 | 150 | 2.2 | 2.5 | 3.0 | |
| | BF-A513RD | BF-C513RD | GaAsP/GaP/ Yellow | 585 | 35 | 80 | 30 | 150 | 2.1 | 2.5 | 2.0 | |
| | BF-A514RD | BF-C514RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 3.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BF-A516RD | BF-C516RD | GaAlAs/ SH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 7.0 | |
| | BF-A51DRD | BF-C51DRD | GaAlAs/ DH Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 8.0 | |

SINGLE DIGIT LED DISPLAYS

| | |
|---|---|
| <p>SD-25 BS-A_C56xRD</p> | <p>SD-26 BS-A_C56xRD-A</p> |
| <p>SD-27 BS-A_C53xRD</p> <p>SD-28 BS-A_C54xRD</p> | <p>SD-27 BS-A_C53xRD</p> <p>SD-28 BS-A_C54xRD</p> |
| <p>SD-29 BS-A_C51xRD</p> <p>SD-30 BF-A_C51xRD</p> | <p>SD-29 BS-A_C51xRD</p> <p>SD-30 BF-A_C51xRD</p> |

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.