



CE 1981

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. | | |
| 1.00" Alpha-Numeric Displays | BS-AA21RD | BS-CA21RD | GaAsP/Red | 655 | 40 | 160 | 40 | 200 | 3.4 | 4.0 | 2.5 | SD-43 |
| | BS-AA25RD | BS-CA25RD | GaP/ Bright Red | 700 | 90 | 80 | 15 | 50 | 4.4 | 5.0 | 3.5 | |
| | BS-AA25RE | BS-CA25RE | | | | | | | | | | |
| | BS-AA22RD | BS-CA22RD | GaP/ Green | 568 | 30 | 160 | 30 | 150 | 4.4 | 5.0 | 5.0 | |
| | BS-AA23RD | BS-CA23RD | GaAsP/GaP/ Yellow | 585 | 35 | 160 | 30 | 150 | 4.2 | 5.0 | 4.0 | |
| | BS-AA24RD | BS-CA24RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 160 | 30 | 150 | 4.0 | 5.0 | 5.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| BS-AA26RD | BS-CA26RD | GaAlAs/ SH Super Red | 660 | 20 | 160 | 30 | 150 | 3.4 | 5.0 | 10.0 | | |
| BS-AA2FRD | BS-CA2FRD | GaAlAs/ DDH Super Red | 660 | 20 | 160 | 30 | 150 | 4.0 | 5.0 | 15.0 | | |
| 1.00" Single-Digit | BS-AA31RD | BS-CA31RD | GaAsP/Red | 655 | 40 | 160 | 40 | 200 | 3.4 | 4.0 | 2.5 | SD-44 |
| | BS-AA35RD | BS-CA35RD | GaP/ Bright Red | 700 | 90 | 80 | 15 | 50 | 4.4 | 5.0 | 3.5 | |
| | BS-AA35RE | BS-CA35RE | | | | | | | | | | |
| | BS-AA32RD | BS-CA32RD | GaP/ Green | 568 | 30 | 160 | 30 | 150 | 4.4 | 5.0 | 5.0 | |
| | BS-AA33RD | BS-CA33RD | GaAsP/GaP/ Yellow | 585 | 35 | 160 | 30 | 150 | 4.2 | 5.0 | 4.0 | |
| | BS-AA34RD | BS-CA34RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 160 | 30 | 150 | 4.0 | 5.0 | 5.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BS-AA36RD | BS-CA36RD | GaAlAs/ SH Super Red | 660 | 20 | 160 | 30 | 150 | 3.4 | 5.0 | 10.0 | |
| | BS-AA3FRD | BS-CA3FRD | GaAlAs/ DDH Super Red | 660 | 20 | 160 | 30 | 150 | 4.0 | 5.0 | 15.0 | |
| | BS-AA41RD | BS-CA41RD | GaAsP/Red | 655 | 40 | 160 | 40 | 200 | 3.4 | 4.0 | 2.5 | |
| | BS-AA45RD | BS-CA45RD | GaP/ Bright Red | 700 | 90 | 80 | 15 | 50 | 4.4 | 5.0 | 3.5 | |
| | BS-AA45RE | BS-CA45RE | | | | | | | | | | |
| | BS-AA42RD | BS-CA42RD | GaP/ Green | 568 | 30 | 160 | 30 | 150 | 4.4 | 5.0 | 5.0 | |
| | BS-AA43RD | BS-CA43RD | GaAsP/GaP/ Yellow | 585 | 35 | 160 | 30 | 150 | 4.2 | 5.0 | 4.0 | |
| BS-AA44RD | BS-CA44RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 160 | 30 | 150 | 4.0 | 5.0 | 5.0 | | |
| | | GaAsP/GaP/ Orange | | | | | | | | | | |
| BS-AA46RD | BS-CA46RD | GaAlAs/ SH Super Red | 660 | 20 | 160 | 30 | 150 | 3.4 | 5.0 | 10.0 | | |
| BS-AA4FRD | BS-CA4FRD | GaAlAs/ DDH Super Red | 660 | 20 | 160 | 30 | 150 | 4.0 | 5.0 | 15.0 | | |
| 1.00" Alpha-Numeric Displays | BS-AA51RD | BS-CA51RD | GaAsP/Red | 655 | 40 | 160 | 40 | 200 | 3.4 | 4.0 | 2.5 | SD-46 |
| | BS-AA55RD | BS-CA55RD | GaP/ Bright Red | 700 | 90 | 80 | 15 | 50 | 4.4 | 5.0 | 3.5 | |
| | BS-AA55RE | BS-CA55RE | | | | | | | | | | |
| | BS-AA52RD | BS-CA52RD | GaP/ Green | 568 | 30 | 160 | 30 | 150 | 4.4 | 5.0 | 5.0 | |
| | BS-AA53RD | BS-CA53RD | GaAsP/GaP/ Yellow | 585 | 35 | 160 | 30 | 150 | 4.2 | 5.0 | 4.0 | |
| | BS-AA54RD | BS-CA54RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 160 | 30 | 150 | 4.0 | 5.0 | 5.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| BS-AA56RD | BS-CA56RD | GaAlAs/ SH Super Red | 660 | 20 | 160 | 30 | 150 | 3.4 | 5.0 | 10.0 | | |
| BS-AA5FRD | BS-CA5FRD | GaAlAs/ DDH Super Red | 660 | 20 | 160 | 30 | 150 | 4.0 | 5.0 | 15.0 | | |
| 1.20" Single-Digit | BS-AB11RD | BS-CB11RD | GaAsP/Red | 655 | 40 | 160 | 40 | 200 | 3.4 | 4.0 | 2.5 | SD-47 |
| | BS-AB15RD | BS-CB15RD | GaP/ Bright Red | 700 | 90 | 80 | 15 | 50 | 4.4 | 5.0 | 3.5 | |
| | BS-AB15RE | BS-CB15RE | | | | | | | | | | |
| | BS-AB12RD | BS-CB12RD | GaP/ Green | 568 | 30 | 160 | 30 | 150 | 4.4 | 5.0 | 5.0 | |
| | BS-AB13RD | BS-CB13RD | GaAsP/GaP/ Yellow | 585 | 35 | 160 | 30 | 150 | 4.2 | 5.0 | 4.0 | |
| | BS-AB14RD | BS-CB14RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 160 | 30 | 150 | 4.0 | 5.0 | 5.0 | |
| | | | GaAsP/GaP/ Orange | | | | | | | | | |
| | BS-AB16RD | BS-CB16RD | GaAlAs/ SH Super Red | 660 | 20 | 160 | 30 | 150 | 3.4 | 5.0 | 10.0 | |
| | BS-AB1FRD | BS-CB1FRD | GaAlAs/ DDH Super Red | 660 | 20 | 160 | 30 | 150 | 4.0 | 5.0 | 15.0 | |
| | BS-AB21RD | BS-CB21RD | GaAsP/Red | 655 | 40 | 160 | 40 | 200 | 3.4 | 4.0 | 2.5 | |
| | BS-AB25RD | BS-CB25RD | GaP/ Bright Red | 700 | 90 | 80 | 15 | 50 | 4.4 | 5.0 | 3.5 | |
| | BS-AB25RE | BS-CB25RE | | | | | | | | | | |
| | BS-AB22RD | BS-CB22RD | GaP/ Green | 568 | 30 | 160 | 30 | 150 | 4.4 | 5.0 | 5.0 | |
| | BS-AB23RD | BS-CB23RD | GaAsP/GaP/ Yellow | 585 | 35 | 160 | 30 | 150 | 4.2 | 5.0 | 4.0 | |
| BS-AB24RD | BS-CB24RD | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 160 | 30 | 150 | 4.0 | 5.0 | 5.0 | | |
| | | GaAsP/GaP/ Orange | | | | | | | | | | |
| BS-AB26RD | BS-CB26RD | GaAlAs/ SH Super Red | 660 | 20 | 160 | 30 | 150 | 3.4 | 5.0 | 10.0 | | |
| BS-AB2FRD | BS-CB2FRD | GaAlAs/ DDH Super Red | 660 | 20 | 160 | 30 | 150 | 4.0 | 5.0 | 15.0 | | |

SINGLE DIGIT LED DISPLAYS

| SD-43 BS- ^A _C A2xRD | SD-44 BS- ^A _C A3xRD |
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NOTES: 1.All Dimensions are in millimeters(inches).
 2.Tolerance is ±0.25mm(.010").
 3.Specifications are subject to change without notice.
 4.NP:No Pin. 5.NC:No Connect.