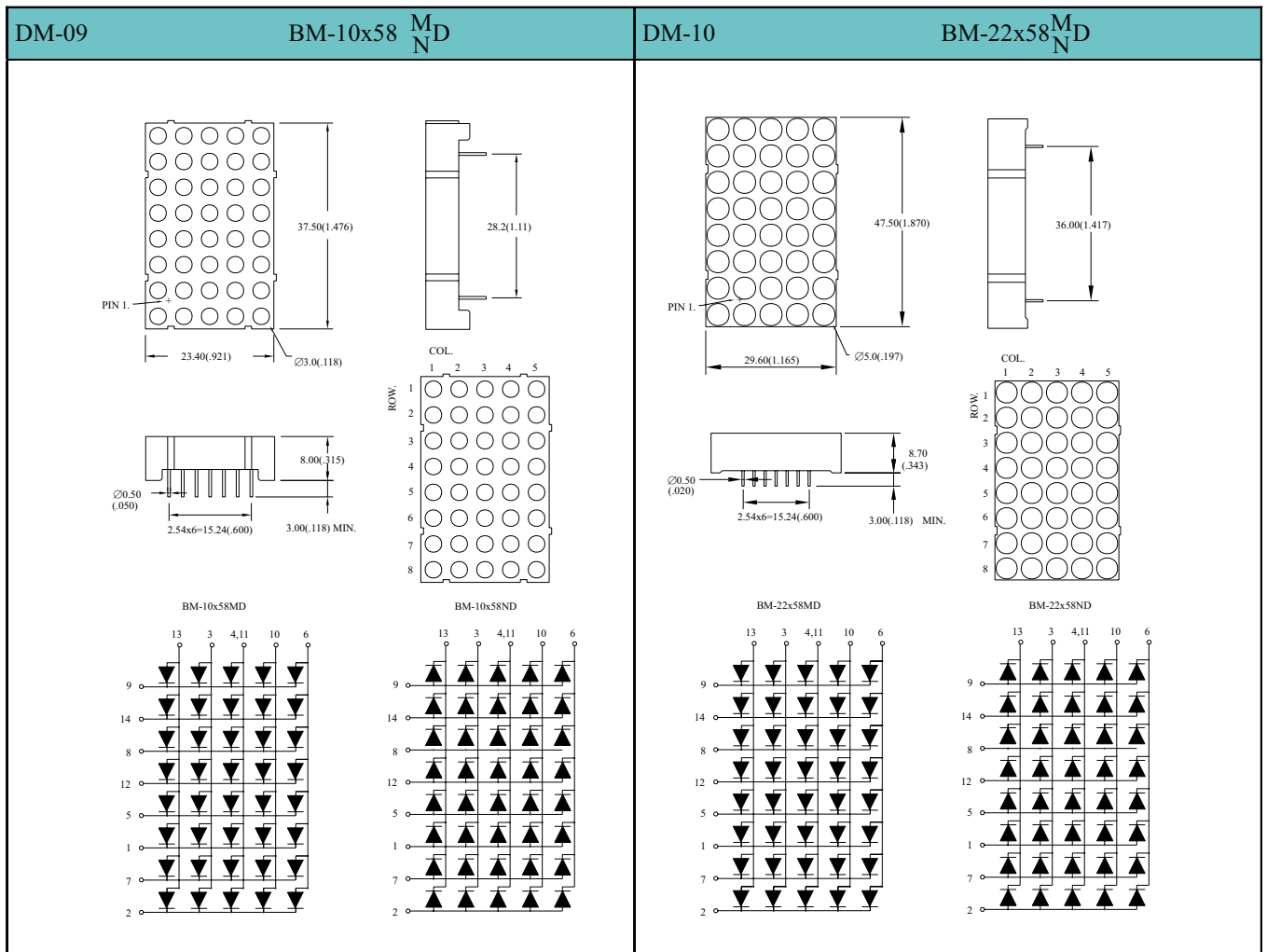


Single Color 5x8 Dot Matrix Displays

| Digit Size | Part No. | | Chip | | Absolute Maximum Ratings | | | | Electro-optical Data(At 10mA) | | | Drawing No. |
|-----------------------|---------------------|-----------------------|----------------------------|-----------------------------------|--------------------------|-----------|---------|----------|-------------------------------|------|-------------------------|-------------|
| | Column Common Anode | Column 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. | | |
| 1.50" High ϕ 3.0 | BM-10258MD | BM-10258ND | GaP/ GaP/ Yellow Green | 568 | 30 | 80 | 30 | 150 | 2.1 | 2.5 | 9.0 | DM-09 |
| | BM-10458MD | BM-10458ND | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 9.0 | |
| | BM-10458MA | BM-10458NA | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 9.0 | |
| | BM-10658MD | BM-10658ND | GaAlAs/ SH/ Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 13.0 | |
| | BM-10658MA | BM-10658NA | GaAlAs/ SH/ Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 17.0 | |
| | BM-10F58MD | BM-10F58ND | GaAlAs/ DDH/ Super Red | 660 | 20 | 80 | 30 | 150 | 2.0 | 2.5 | 20.0 | |
| | BM-10J58MD | BM-10J58ND | AlGaInP/GaAs/ Ultra Orange | 620 | 17 | 80 | 30 | 150 | 2.0 | 2.5 | 22.0 | |
| | BM-10K58MD | BM-10K58ND | AlGaInP/GaAs/ Ultra Yellow | 592 | 15 | 80 | 30 | 150 | 2.1 | 2.5 | 22.0 | |
| 1.90" High ϕ 5.0 | BM-22258MD | BM-22258ND | GaP/ GaP/ Yellow Green | 568 | 30 | 80 | 30 | 150 | 2.1 | 2.5 | 10.0 | DM-10 |
| | BM-22458MD | BM-22458ND | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 10.0 | |
| | BM-22458MA | BM-22458NA | GaAsP/GaP/ Hi-Eff.Red | 635 | 45 | 80 | 30 | 150 | 2.0 | 2.5 | 15.0 | |
| | BM-22658MD | BM-22658ND | GaAlAs/ SH/ Super Red | 660 | 20 | 80 | 30 | 150 | 1.7 | 2.5 | 18.0 | |
| | BM-22658MA | BM-22658NA | GaAlAs/ SH/ Super Red | 660 | 20 | 80 <td 30 | 150 | 1.7 | 2.5 | 25.0 | | |
| | BM-22F58MD | BM-22F58ND | GaAlAs/ DDH/ Super Red | 660 | 20 | 80 | 30 | 150 | 2.0 | 2.5 | 23.0 | |
| | BM-22J58MD | BM-22J58ND | AlGaInP/GaAs/ Ultra Orange | 620 | 17 | 80 | 30 | 150 | 2.0 | 2.5 | 25.0 | |
| | BM-22K58MD | BM-22K58ND | AlGaInP/GaAs/ Ultra Yellow | 592 | 15 | 80 | 30 | 150 | 2.1 | 2.5 | 25.0 | |



NOTES: 1.All Dimensions are in millimeters(inches).
3.Specifications are subject to change without notice.

2.Tolerance is $\pm 0.25\text{mm}(0.010\text{'})$.
4.NP:No Pin. 5.NC:No Connect.