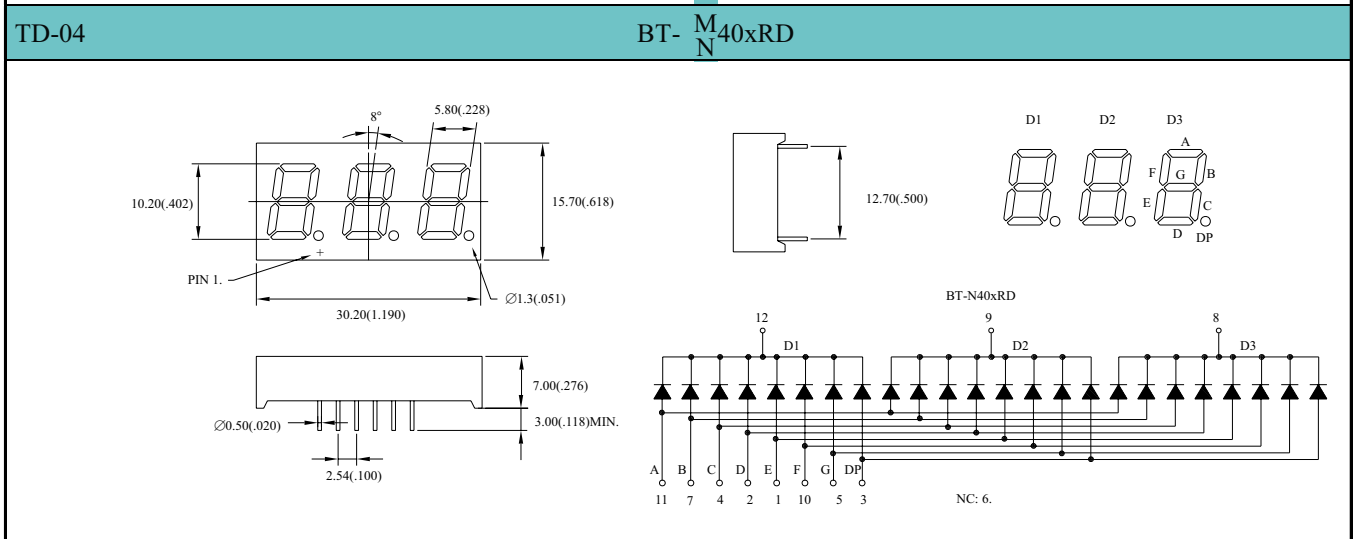
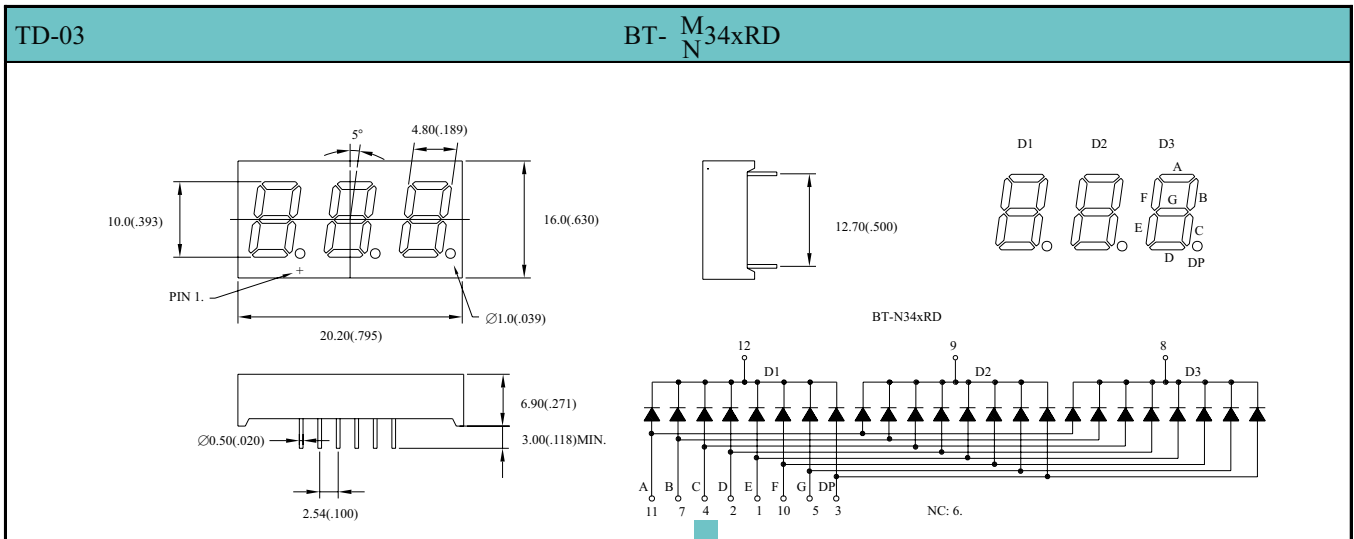




# THREE DIGIT LED DISPLAYS

| 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 $\lambda_p$ (nm) | $\Delta \lambda$ (nm)    | Pd (mw) | If (mA) | Ifp (mA) | Vf (v)                        |      | Iv. Typ. Per.Seg. (mcd) |             |
|                   |              |                      |                        |                                   |                          |         |         |          | Typ.                          | Max. |                         |             |
| 0.39" Three-Digit | BT-M341RD    | BT-N341RD            | GaAsP/Red              | 655                               | 40                       | 80      | 40      | 200      | 1.7                           | 2.0  | 0.6                     | TD-03       |
|                   | BT-M345RD    | BT-N345RD            | GaP/ Bright Red        | 700                               | 90                       | 40      | 15      | 50       | 2.2                           | 2.5  | 1.2                     |             |
|                   | BT-M345RE    | BT-N345RE            |                        |                                   |                          |         |         |          |                               |      |                         |             |
|                   | BT-M342RD    | BT-N342RD            | GaP/ Green             | 568                               | 30                       | 80      | 30      | 150      | 2.2                           | 2.5  | 3.0                     |             |
|                   | BT-M343RD    | BT-N343RD            | GaAsP/GaP/ Yellow      | 585                               | 35                       | 80      | 30      | 150      | 2.1                           | 2.5  | 2.0                     |             |
|                   | BT-M344RD    | BT-N344RD            | GaAsP/GaP/ Hi-Eff.Red  | 635                               | 45                       | 80      | 30      | 150      | 2.0                           | 2.5  | 3.0                     |             |
|                   |              |                      | GaAsP/GaP/ Orange      |                                   |                          |         |         |          |                               |      |                         |             |
|                   | BT-M346RD    | BT-N346RD            | GaAlAs/ SH Super Red   | 660                               | 20                       | 80      | 30      | 150      | 1.7                           | 2.5  | 6.0                     |             |
| BT-M34DRD         | BT-N34DRD    | GaAlAs/ DH Super Red | 660                    | 20                                | 80                       | 30      | 150     | 1.7      | 2.5                           | 7.0  |                         |             |
| 0.40" Three-Digit | BT-M401RD    | BT-N401RD            | GaAsP/Red              | 655                               | 40                       | 80      | 40      | 200      | 1.7                           | 2.0  | 0.6                     | TD-04       |
|                   | BT-M405RD    | BT-N405RD            | GaP/ Bright Red        | 700                               | 90                       | 40      | 15      | 50       | 2.2                           | 2.5  | 1.2                     |             |
|                   | BT-M405RE    | BT-N405RE            |                        |                                   |                          |         |         |          |                               |      |                         |             |
|                   | BT-M402RD    | BT-N402RD            | GaP/ Green             | 568                               | 30                       | 80      | 30      | 150      | 2.2                           | 2.5  | 3.0                     |             |
|                   | BT-M403RD    | BT-N403RD            | GaAsP/GaP/ Yellow      | 585                               | 35                       | 80      | 30      | 150      | 2.1                           | 2.5  | 2.0                     |             |
|                   | BT-M404RD    | BT-N404RD            | GaAsP/GaP/ Hi-Eff.Red  | 635                               | 45                       | 80      | 30      | 150      | 2.0                           | 2.5  | 3.0                     |             |
|                   |              |                      | GaAsP/GaP/ Orange      |                                   |                          |         |         |          |                               |      |                         |             |
|                   | BT-M406RD    | BT-N406RD            | GaAlAs/ SH Super Red   | 660                               | 20                       | 80      | 30      | 150      | 1.7                           | 2.5  | 6.0                     |             |
| BT-M40DRD         | BT-N40DRD    | GaAlAs/ DH Super Red | 660                    | 20                                | 80                       | 30      | 150     | 1.7      | 2.5                           | 7.0  |                         |             |



NOTES: 1.All Dimensions are in millimeters(inches).  
 2.Tolerance is  $\pm 0.25\text{mm}(.010")$ .  
 3.Specifications are subject to change without notice.  
 4.NP:No Pin. 5.NC:No Connect.