

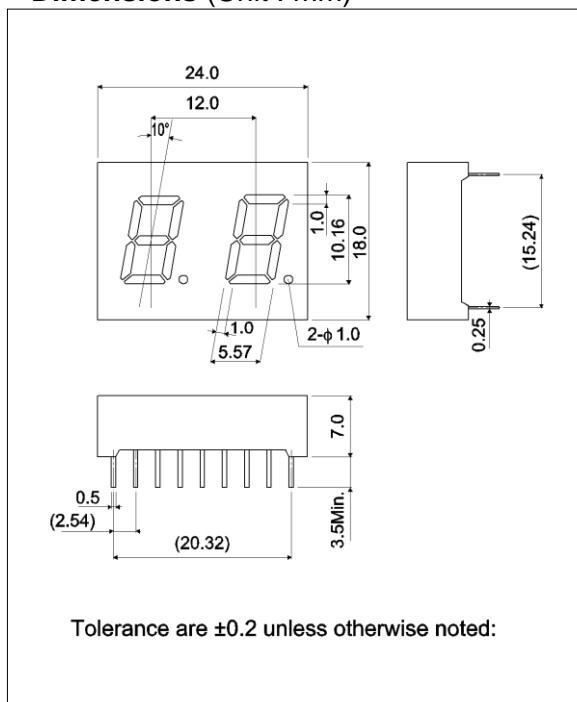
The LB-402 DN series were designed to meet the need for multi-digit numeric displays. These LED numeric displays use GaAsP on GaP (red), GaP(green) for the emitting material and are housed in an epoxy resin package.

They are two-digit displays with a character height of 10.16 mm.

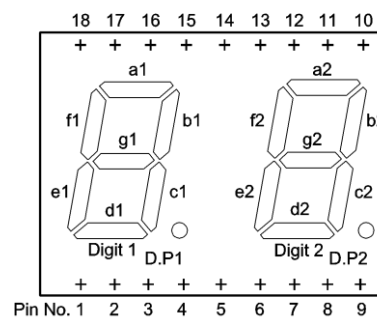
●Features

- 1) Height of character : 10.16 mm
- 2) Common anode and common cathode configurations are available for each color.
- 3) The package surface is painted black and the segments are colored the display color.
- 4) High efficiency reflectors are used to achieve a bright, clear display.

●Dimensions (Unit : mm)



●Pin assignments



| Pin No. | Function |
|---------|----------------|
| 1 | Segment "e1" |
| 2 | Segment "d1" |
| 3 | Segment "c1" |
| 4 | D.P1 |
| 5 | Segment "e2" |
| 6 | Segment "d2" |
| 7 | Segment "g2" |
| 8 | Segment "c2" |
| 9 | D.P2 |
| 10 | Segment "b2" |
| 11 | Segment "a2" |
| 12 | Segment "f2" |
| 13 | Digit 2 Common |
| 14 | Digit 1 Common |
| 15 | Segment "b1" |
| 16 | Segment "a1" |
| 17 | Segment "g1" |
| 18 | Segment "f1" |

●Selection guide

| Emitting color | Red | Green |
|----------------|----------|----------|
| Common | | |
| Anode | LB-402VD | LB-402MD |
| Cathode | LB-402VN | LB-402MN |

●Electrical and optical characteristics curves

Fig.1 Forward Current vs. Forward Voltage

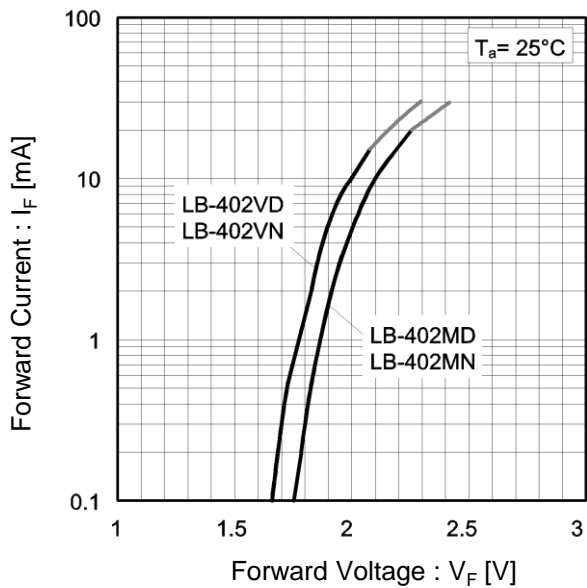


Fig.2 Relative Luminous Intensity vs. Forward Current

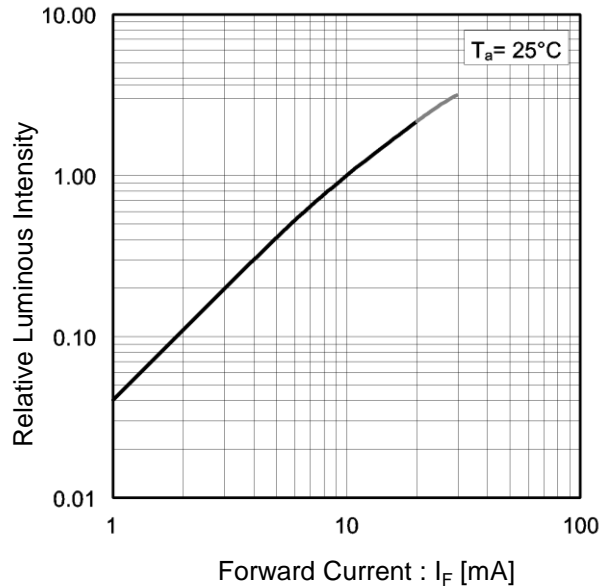


Fig.3 Relative Luminous Intensity vs. Case Temperature

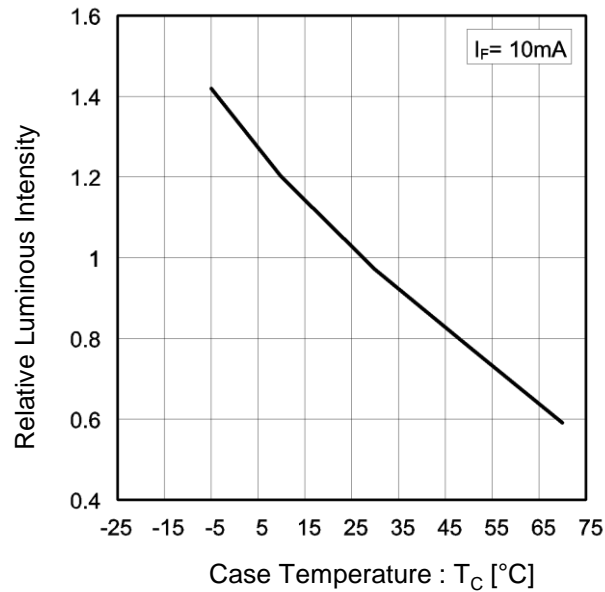
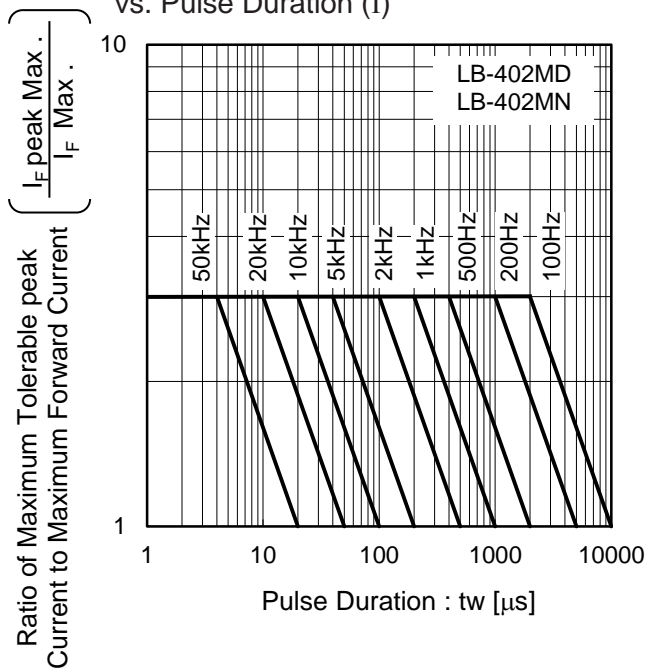


Fig.4 Ratio of Maximum Tolerable Peak Current vs. Pulse Duration (I)



●Electrical and optical characteristics curves

Fig.5 Ratio of Maximum Tolerable Peak Current vs. Pulse Duration (II)

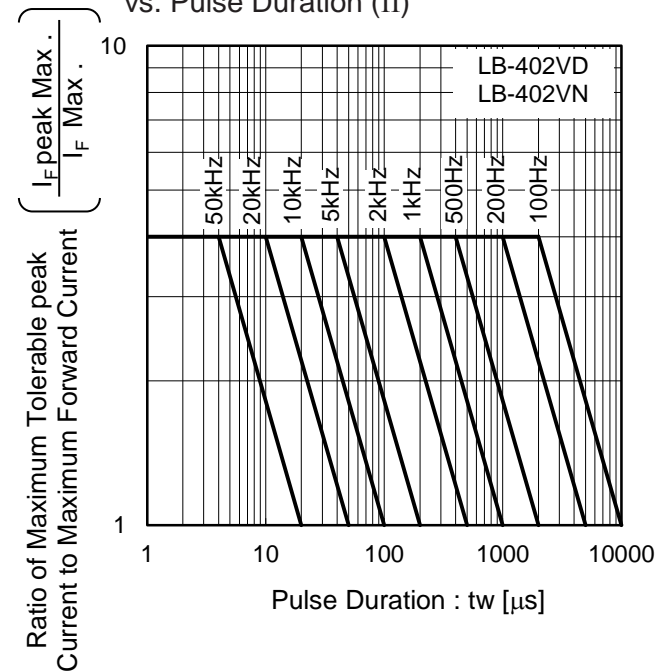
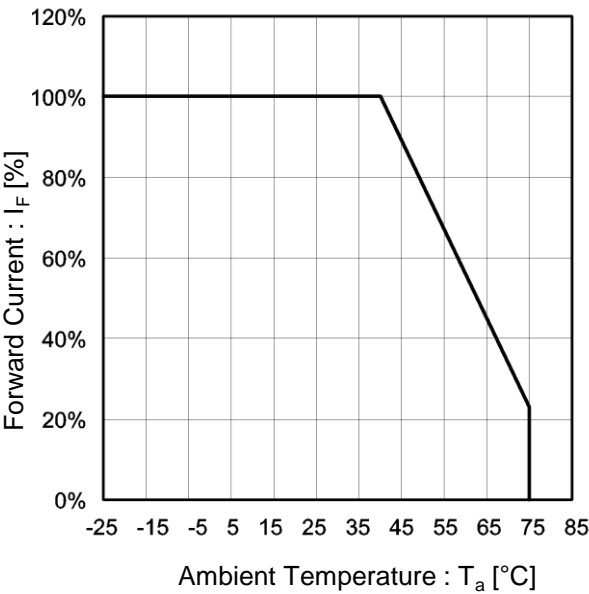


Fig.6 Derating



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