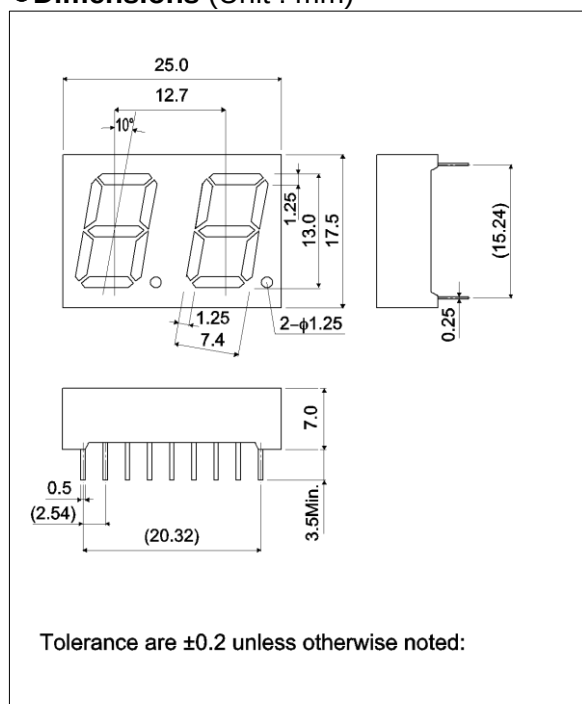


The LB-502DN series were designed to meet the need for multi-digit numeric displays. These LED numeric displays use GaAsP(red) , GaP(green) for the emitting material (with the exception of green) and are housed in an epoxy resin package. They are two-digit displays with a character height of 13.0mm.

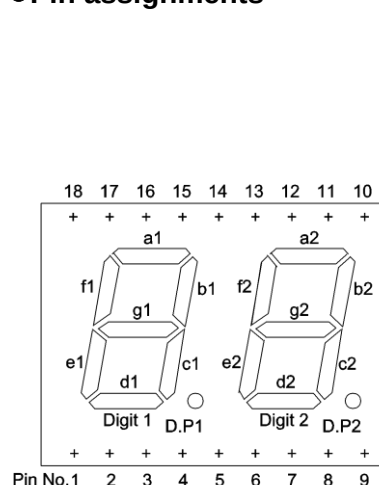
●Features

- 1) Height of character : 13.0mm
- 2) Common anode and common cathode configurations are available for each color.
- 3) High efficiency reflectors are used to achieve a bright, clear display.
- 4) The package surface is painted black and the segments are colored the display color.

●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-502VD	LB-502MD
Cathode	LB-502VN	LB-502MN

●Electrical and optical characteristics curves

Fig.1 Forward Current vs. Forward Voltage

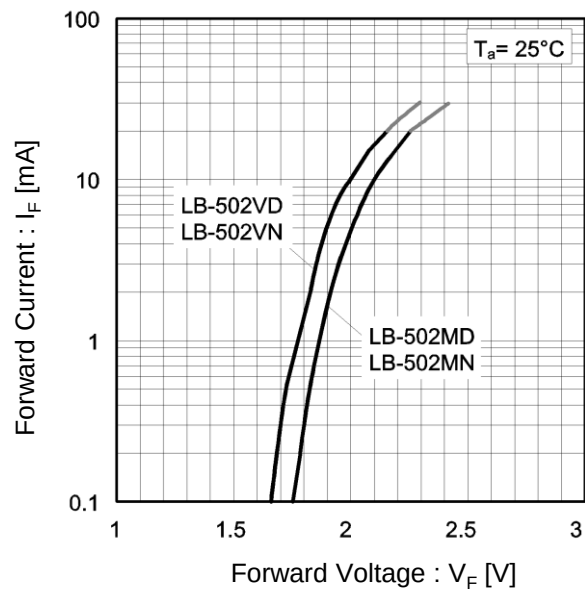


Fig.2 Relative Luminous Intensity vs. Forward Current

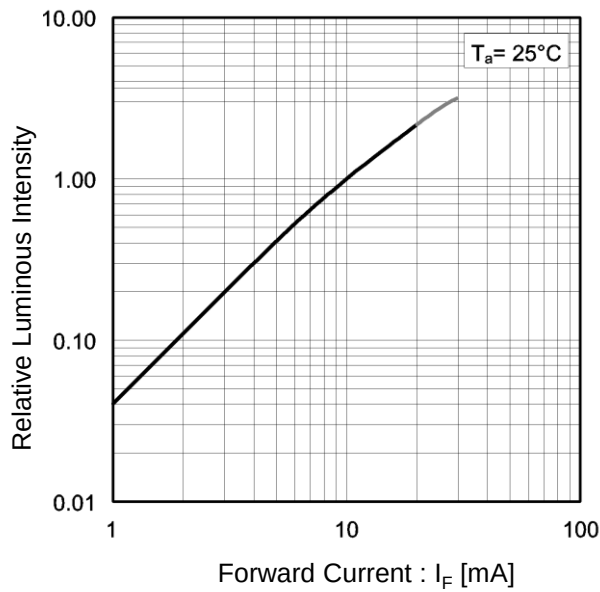


Fig.3 Relative Luminous Intensity vs. Case Temperature

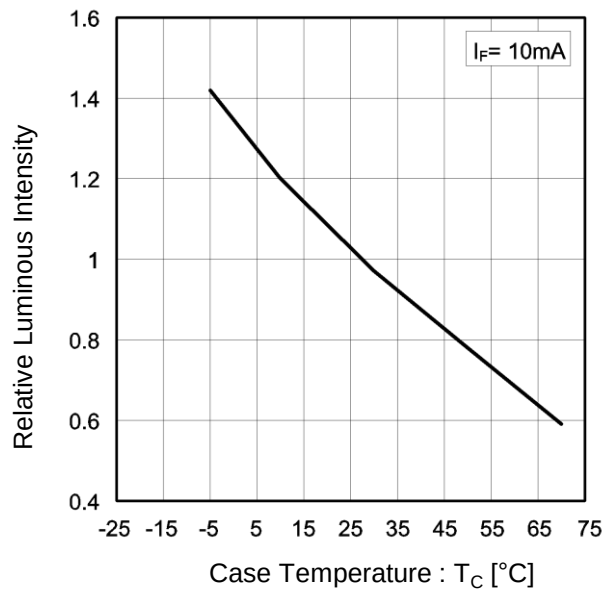
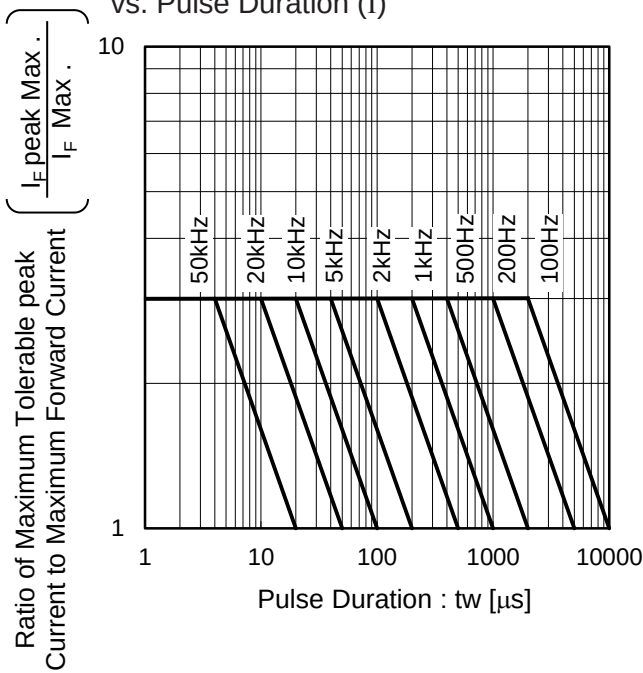
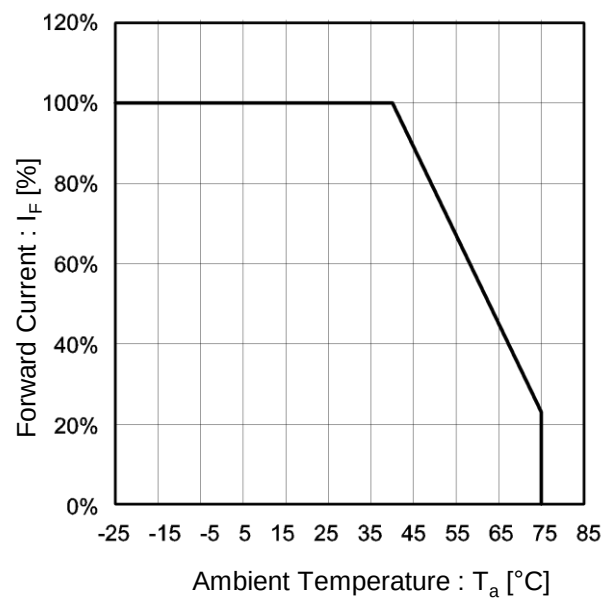


Fig.4 Ratio of Maximum Tolerable Peak Current vs. Pulse Duration (I)



●Electrical and optical characteristics curves

Fig.5 Derating



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