



# 4.4" (Color) Front Light Panel



12567-06 | Product Data Sheet | 2020

For more information:

WEB [flexlighting.com](http://flexlighting.com)

CONTACT [flexlighting.com/contact](http://flexlighting.com/contact)

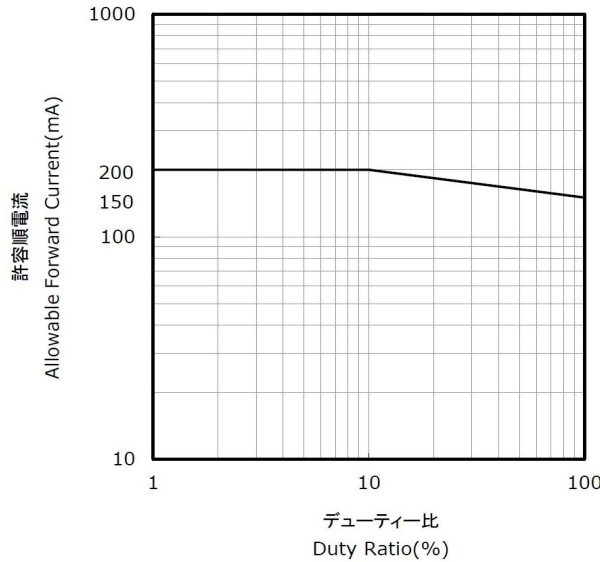
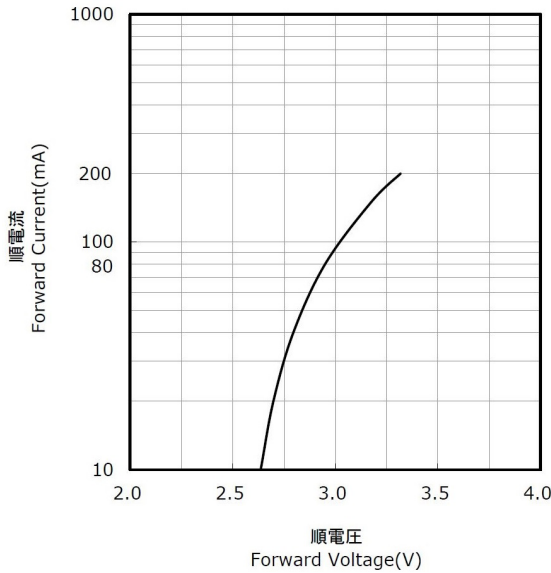
PHONE 773-295-0305

## Electrical

| Item                  | Symbol   | Typical | Absolute Max | Unit |
|-----------------------|----------|---------|--------------|------|
| Forward Current       | $I_F$    | 40      | 60           | mA   |
| Pulse Forward Current | $I_{FP}$ | --      | 200          | mA   |
| Forward Voltage       | $V_F$    | 2.95    | 3.4          | V    |

### Example ZIF Connectors:

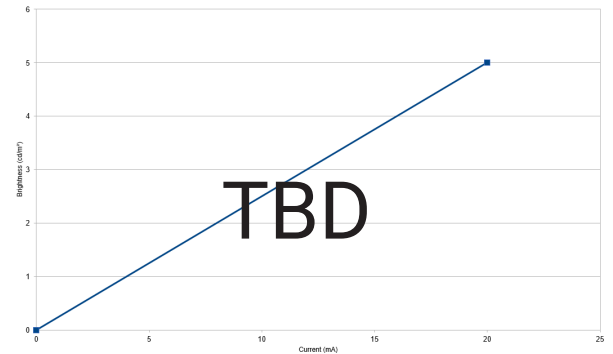
- Molex 503480-0400
- Molex 52745-0497
- Molex 54550-0471
- Molex 54548-0471 (bottom)
- Molex 505110-0492



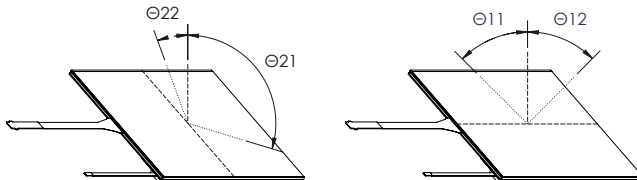
## Optical (PRELIMINARY)

| 4.4" JDI + Front Light (12567-06) |                |                            |          |            |            |
|-----------------------------------|----------------|----------------------------|----------|------------|------------|
| Item                              | Symbol         | TYP.                       | Unit     | Remark     |            |
| Viewing Angle<br>CR >2            | V              | $\Theta 11$<br>$\Theta 12$ | 40<br>45 | ° (Degree) | [Remark 1] |
|                                   | H              | $\Theta 21$<br>$\Theta 22$ | 60       | ° (Degree) |            |
| Contrast Ratio                    | Front light ON | CR                         | 10       | --         | [Remark 2] |

### Brightness vs. Power



Remark 1: Viewing Angle



Remark 2: Definition of Contrast Ratio

$$\text{Contrast Ratio (CR)} = \frac{\text{Reflection intensity in white display}}{\text{Reflection intensity in black display}}$$

Measurements taken with a Minolta Chroma Meter CS-100 at a 17" view distance