## $2 \times 3 \mathrm{~mm}$, Bi-level PCB Mount LED Indicator, G2178B Series

The G2178B series is an assembly using two $2 \times 3 \mathrm{~mm}$ LEDs in a right-angle mount. Designed to save panel space, the assembly measures just over $4.3 \mathrm{~mm}\left(0.170^{\prime \prime}\right)$ in width. Long arrays should be located on a pitch of $4.4 \mathrm{~mm}\left(0.173^{\prime \prime}\right)$ to avoid crowding and tolerance build-up. This series can also be supplied with pinout reversed from that shown by adding "-RL" to the order code of the part number.

(Pinout for single color)


Red or yellow
 Anode (typ for bi-color)


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Specify part desired as follows:
G2178B/Order Code LED1 + Order Code LED 2
For example: "G2178B/G+Y" designates an assembly with a green LED on top and a yellow LED on the bottom. "G2178B/(G+Y)-RL" designates the same assembly with leads reversed.

ORDER CODE AND INFORMATION (ALL RATINGS AT $25^{\circ} \mathrm{C}$ AMBIENT)

| LED Lamp |  |  | Typical Characteristics |  |  |  | Recom. Op. If (mA) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Epoxy \& Type | Color | Order Code | $\begin{gathered} \text { Peak } \\ \lambda(\mathrm{nm}) \end{gathered}$ | $\begin{gathered} \text { Vf }(\mathrm{V}) \\ @ l f=20 \mathrm{~mA} \end{gathered}$ | $\begin{gathered} \text { Iv }(\mathrm{mcd}) \\ @ l \mathrm{f}=10 \mathrm{~mA} \end{gathered}$ | $\begin{aligned} & 2 \Theta_{1 / 2} \\ & (\mathrm{Deg}) \end{aligned}$ |  |
| TInted Diffused Resistor Required | Red | H | 697 | 2.1 | 1.6 | 40 | 5-10 |
|  | Hi Eff Red | I | 635 | 2.0 | 4.5 | 40 | 10-20 |
|  | Green | G | 565 | 2.1 | 4.5 | 40 | 10-20 |
|  | Yellow | Y | 585 | 2.0 | 4.5 | 40 | 10-20 |
|  | Orange | O | 610 | 2.0 | 4.5 | 40 | 10-20 |
| Tinted Transparent High Brightness | Hi Eff Red | IT | 635 | 2.0 | 11 | 20 | 10-20 |
|  | Green | GT | 565 | 2.1 | 15 | 20 | 10-20 |
|  | Yellow | YT | 585 | 2.0 | 10 | 20 | 10-20 |
| Tinted Diffused For 2mA Operation | Red | H2 | 697 | 2.0 | 1.2 @ 2mA | 40 | 2-10 |
|  | Hi Eff Red | 12 | 635 | 2.1 | 1.4 @ 2mA | 40 | 2-10 |
|  | Green | G2 | 565 | 2.0 | 1.2 @ 2mA | 40 | 2-10 |
|  | Yellow | Y2 | 585 | 2.0 | 1.2 @ 2mA | 40 | 2-10 |
| Tinted Diffused 5V Operation | Hi Eff Red | 15 | 635 | - | 4.5 | 40 | 5 V |
|  | Green | G5 | 565 | - | 4.5 | 40 | 5 V |
|  | Yellow | Y5 | 585 | - | 4.5 | 40 | 5 V |
| White Diffused Bipolar, Bicolor | Red/Green | EG | 635/565 | 2.1/2.0 | 2.5/2.5 | 54 | 10-20 |
|  | Yellow/Green | YG | 585/565 | 2.1/2.0 | 2.5/2.5 | 54 | 10-20 |

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[^0]:    * Specifications subject to change without notice. Dimensions are in $\mathrm{mm} \pm 0.25$ unless stated otherwise.

