FND-557XW4SM00BW35 Range
2.1” (53 mm) 5 x 7 White Dot Matrix Display

Features:

● 3.5mm pin length
● High intensity white dot matrix LED display
● Black face for maximum contrast
● White diffused segment in off-state
● Ideal for use in applications requiring a high-quality display:
  ❑ Passenger information
  ❑ Variable message signs
  ❑ Lift indication
  ❑ Digital clocks

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Absolute Maximum Rated Values $T_a = 25^\circ C$ (Derate Above $25^\circ C$)

<table>
<thead>
<tr>
<th>Characteristic</th>
<th>Condition</th>
<th>Symbol</th>
<th>Rating</th>
<th>Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pulse Forward Current</td>
<td>0.1 duty cycle @ 1kHz</td>
<td>$I_{FP}$</td>
<td>100</td>
<td>mA</td>
</tr>
<tr>
<td>DC Forward Current</td>
<td></td>
<td>$I_F$</td>
<td>25</td>
<td>mA</td>
</tr>
<tr>
<td>Reverse Voltage</td>
<td>$I_R = 10\mu A$</td>
<td>$V_R$</td>
<td>5</td>
<td>V</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td></td>
<td>$T_{opr}$</td>
<td>-25 to +80</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td></td>
<td>$T_{stg}$</td>
<td>-30 to +85</td>
<td>°C</td>
</tr>
<tr>
<td>Lead Soldering Temperature</td>
<td>1.6mm from body - max 3 seconds</td>
<td></td>
<td>260</td>
<td>°C</td>
</tr>
</tbody>
</table>

When used in dot intensive applications, it is recommended that the forward current ($I_F$) is restricted to $1.25\text{mA}$ DC or $20\text{mA}$ 1/16 duty cycle at $1\text{kHz}$ pulsed to ensure maximum efficiency over the life of the product.

Industry standard procedures regarding static must be observed when handling white LED displays as they are produced using blue die material.
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Package Outline and Diagrams

Column Cathode

Column Anode

Tolerance ± 0.25 mm unless stated

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