

Selection Guide

| Part No. | Dice | Lens Type | Iv (ucd) [1] @ 10mA | | Description |
|----------|--------------------|----------------|------------------------|------|---------------------------------|
| | | | Min. | Typ. | |
| DD-12YWB | YELLOW (GaAsP/GaP) | WHITE DIFFUSED | 800 | 3600 | 12 Segments Bargraph-Display |

Note:

1. Luminous intensity/ luminous Flux: +/-15%.

Electrical / Optical Characteristics at TA=25°C

| Symbol | Parameter | Device | Typ. | Max. | Units | Test Conditions |
|-----------------------|----------------------------------|--------|------|------|-------|-----------------|
| λ_{peak} | Peak Wavelength | Yellow | 590 | | nm | IF=20mA |
| λ_D [1] | Dominant Wavelength | Yellow | 588 | | nm | IF=20mA |
| $\Delta\lambda_{1/2}$ | Spectral Line Half-width | Yellow | 35 | | nm | IF=20mA |
| C | Capacitance | Yellow | 20 | | pF | VF=0V;f=1MHz |
| VF [2] | Forward Voltage (Per Segment) | Yellow | 2.1 | 2.5 | V | IF=20mA |
| IR | Reverse Current (Per Segment) | Yellow | | 10 | uA | VR = 5V |

Notes:

1. Wavelength: +/-1nm.

2. Forward Voltage: +/-0.1V.

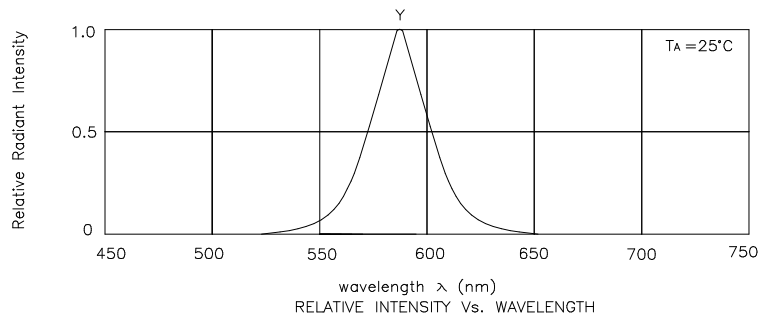
Absolute Maximum Ratings at TA=25°C

| Parameter | Yellow | Units |
|---|---------------------|-------|
| Power dissipation (Per Segment) | 105 | mW |
| DC Forward Current (Per Segment) | 30 | mA |
| Peak Forward Current [1] (Per Segment) | 140 | mA |
| Reverse Voltage (Per Segment) | 5 | V |
| Operating/storage Temperature | -40°C To +85°C | |
| Lead Solder Temperature [2] | 260°C For 5 Seconds | |

Notes:

1. 1/10 Duty Cycle, 0.1ms Pulse Width.

2. 2mm below package base.



Yellow

DD-12YWB

