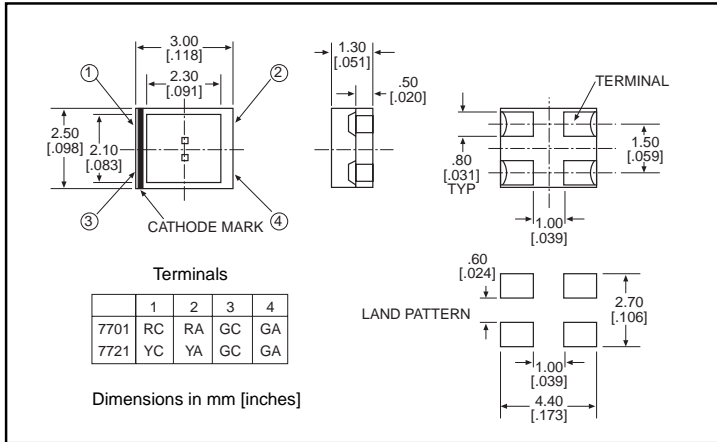



**microLED<sup>®</sup>**

# Surface Mount LED Bi-Color

# Dialight

## 597-77x1-5xx


**PART NO.\***

597-7701-5xx

597-7721-5xx

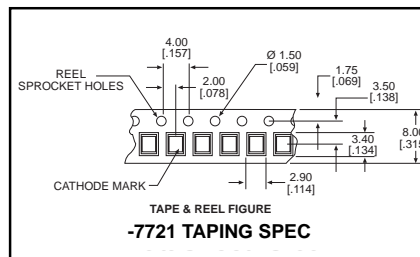
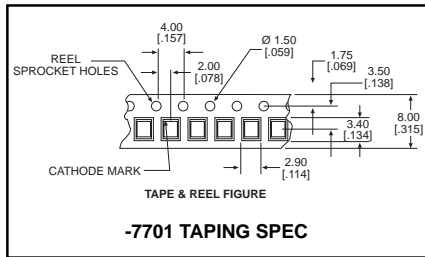
**COLOR**

Red/Green

Yellow/Green

**Benefits**

- Compatible with automatic placement equipment
- Compatible with infrared reflow processes
- Packaged on 8mm tape, 7" reels (meets EIA-481-1 standard)
- Helps to eliminate mixed technology PC board processing
- Compatible with Dialight's Optopipe™ Series light pipes


**\*ORDERING INFORMATION**

### 597-77x1-5xx

packaging option

|    |                        |
|----|------------------------|
| 02 | 20 pieces on tape      |
| 07 | 7" reel, 2500 pcs/reel |

**ABSOLUTE MAXIMUM RATINGS (T<sub>A</sub>=25°C)**

|  | Red/Green<br><b>-7701</b>      | Yellow/Green<br><b>-7721</b> |
|--|--------------------------------|------------------------------|
| Power Dissipation (mW)                   | 60/60                          | 60/60                        |
| Derating (mA/°C) From 25°C               | .4/.3                          | .4/.3                        |
| Forward Current (mA)                     | 25/25                          | 25/25                        |
| Peak Current (mA)<br>Pulse width = 10 μs | 60/60                          | 60/60                        |
| Operating Temperature (°C)               | -30/+85                        | -25/+80                      |
| Storage Temperature (°C)                 | -40/+85                        | -30/+85                      |
| Soldering Profile                        | 240°C to 245°C, 5 seconds max. |                              |

Solder Adherence per MIL-STD-202E, Method 208C

**OPERATING CHARACTERISTICS (T<sub>A</sub>=25°C)**

|   |         | Red/Green<br><b>-7701</b> | Yellow/Green<br><b>-7721</b> |
|---|---------|---------------------------|------------------------------|
| Luminous Intensity (mcd)                  | Min.    | 3.6/9                     | 3.6/9                        |
|   | Typical | 6.3/20                    | 6.3/20                       |
| Peak Wavelength (nm)<br>λ Peak            | Typical | 650/570                   | 585/563                      |
| Viewing Angle (2θ ½)                      | Typical | 104°                      | 104°                         |
| Forward Voltage (V)                       | Typical | 2/2.2                     | 2.1/2.2                      |
|   | Max.    | 2.8/2.8                   | 2.8/2.8                      |
| Reverse Current (μA) (V <sub>R</sub> =4V) |         | 100/100                   | 100/100                      |

θ ½ is the off axis angle at which the luminous intensity is half the axial luminous intensity