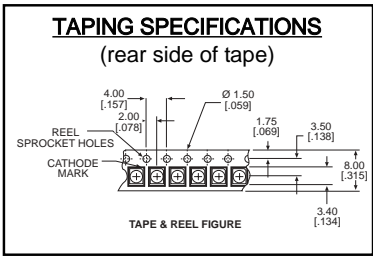
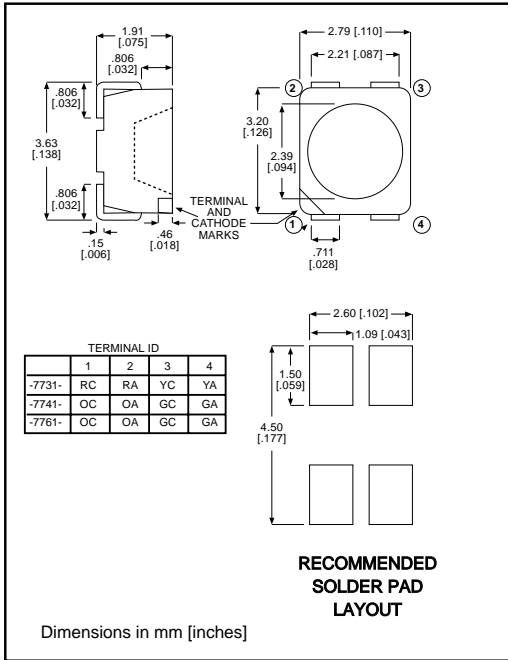


**Surface Mount LED  
Bi-Color**

597-7731-2xx  
597-7741-2xx  
597-7761-2xx



PART NO.*	COLOR
597-7731-2xx	Red/Yellow
597-7741-2xx	Orange/Green
597-7761-2xx	Orange/ Pure Green



**Features**

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

**\*ORDERING INFORMATION**

**597-77x1-2xx**

packaging option

02	20 pieces on tape
07	7" reel, 2000 pcs/reel

<b>ABSOLUTE MAXIMUM RATINGS</b> (T <sub>A</sub> =25°C)	Red/Yellow <b>-7731</b>	Orange/Green <b>-7741</b>	Orange/Pure Green <b>-7761</b>
Power Dissipation (mW)	100/100	100/100	100/100
Forward Current (mA) Derating (mA/°C) From 55°C	30/30 .66/.66	30/30 .66/.66	30/30 .66/.66
Peak Current (mA) Pulse width 10 μs	500	500	500
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100
Soldering Profile	235°C peak 15 seconds, 185° for 90 seconds		

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

<b>OPERATING CHARACTERISTICS</b> (T <sub>A</sub> =25°C)		Red/Yellow <b>-7731</b>	Orange/Green <b>-7741</b>	Orange/Pure Green <b>-7761</b>
Luminous Intensity (mcd) I <sub>F</sub> =10mA	Min.	2.5/2.5	4/4	2.5/2.5
	Typical	7.3/6.8	8/8	5/5
Peak Wavelength (nm) λ Peak	Typical	635/586	610/565	610/557
Viewing Angle (2θ 1/2)	Typical	120°	120°	120°
Forward Voltage (V) I <sub>F</sub> =10mA	Typical	2/2	2/2	2/2
	Max.	2.6/2.6	2.6/2.6	2.6/2.6
Reverse Voltage (V), I <sub>R</sub> =10μA	Min.	5	5	5

θ<sup>1/2</sup> is the off axis angle at which the luminous intensity is half the axial luminous intensity