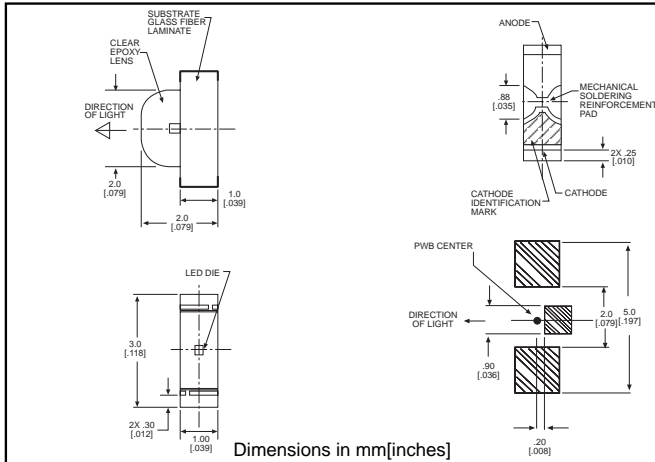


**microLED**®

**Surface Mount LED  
Right Angle Type Package**

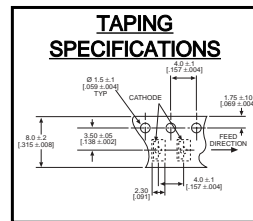
**Dialight**  
**597-2xx1-4xx**

**1**



**PART NO.\***  
597-2002-4xx  
597-2111-4xx  
597-2201-4xx  
597-2212-4xx  
597-2222-4xx  
597-2311-4xx  
597-2401-4xx

**COLOR**  
Red  
Red  
Orange  
Orange  
Green  
Green  
Yellow



<b>*ORDERING INFORMATION</b>	
<b>597-2xx1-4xx</b>	
packaging option	
02	20 pieces on tape
07	7" reel, 3000 pcs/reel

**Features**

- 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

<b>ABSOLUTE MAXIMUM RATINGS</b> (T <sub>A</sub> =25°C)	Red <b>-2202</b>	Red <b>-2111</b>	Orange <b>-2201</b>	Orange <b>-2212</b>	Amber <b>-2222</b>	Green <b>-2311</b>	Yellow <b>-2401</b>
Power Dissipation (mW)	81	57.5	70	81	81	70	70
Forward Current (mA)	25	25	25	25	25	25	25
Derating (mA/C°) Above 25°C	.43	.36	.36	.43	.43	.36	.36
Peak Current (mA)	30	60	60	30	30	60	60
Pulse width = 100 μs	100*			100	100		
Operating Temperature (°C)	-40/+85	-30/+85	-30/+85	-40/+85	-40/+85	-30/+85	-30/+85
Storage Temperature (°C)	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100
Soldering Temperature	260°C, 5 seconds max						

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

<b>OPERATING CHARACTERISTICS</b> (T <sub>A</sub> =25°C)		Red <b>-2202</b>	Red <b>-2111</b>	Orange <b>-2201</b>	Orange <b>-2212</b>	Amber <b>-2222</b>	Green <b>-2311</b>	Yellow <b>-2401</b>
Luminous Intensity (mcd)	Min.	16	6.2	1.5	16	16	2.6	1.5
	Typical	50	12.4	3	65	65	5.2	3
Peak Wavelength (nm)	Typical	630	660	605	609	592	560	580
λ Peak								
Viewing Angle (2θ 1/2)	Typical	130°	130°	130°	130°	130°	130°	130°
Forward Voltage (V)	Typical	1.9	1.7	2.2	1.9	1.9	2.1	2.2
	Max.	2.4	2.3	2.8	2.4	2.4	2.8	2.8
Reverse Current (μA)	Max	100*	100	100	100	100*	100	100
(V <sub>R</sub> = 4V) * (V <sub>R</sub> = 5V)								

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