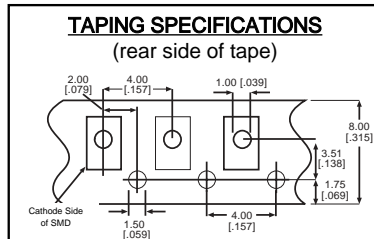
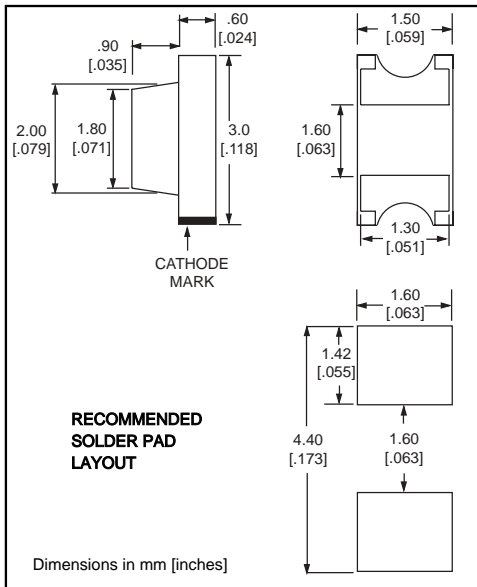


**microLED<sup>®</sup>**

**Surface Mount LED  
1206 Type Package**

**Dialight**

**597-3xx1-4xx**



PART NO.*	COLOR
597-3111-4xx	AlGaAs Red
597-3201-4xx	Orange
597-3311-4xx	Green
597-3401-4xx	Yellow

**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
- Compatible with Dialight's Optopipe™ Series light pipes

*ORDERING INFORMATION	
<b>597-3xx1-4xx</b>	
packaging option	
02	20 pieces on tape
07	7" reel, 2500 pcs/reel

ABSOLUTE MAXIMUM RATINGS (T <sub>A</sub> =25°C)	AlGaAs Red	Orange	Green	Yellow
	-3111	-3201	-3311	-3401
Power Dissipation (mW)	60	75	75	75
Forward Current (mA)	30	30	30	30
Derating (mA/°C)	.42	.42	.42	.42
Peak Current (mA)	70	70	70	70
<i>Pulse width = 1 μs</i>				
Operating Temperature (°C)	-30/+85	-30/+85	-30/+85	-30/+85
Storage Temperature (°C)	-30/+90	-40/+100	-30/+90	-30/+90
Soldering Profile	240°C peak 5 seconds			

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

OPERATING CHARACTERISTICS (T <sub>A</sub> =25°C)		AlGaAs Red	Orange	Green	Yellow
		-3111	-3201	-3311	-3401
Luminous Intensity (mcd)	Min.	6	5	3	3
	Typical	17	9	7.5	6
Peak Wavelength (nm)	Typical	660	605	560	580
Viewing Angle (2θ ½)	Typical	70°	70°	70°	70°
Forward Voltage (V)	Typical	1.7	2.2	2.1	2.2
	Max.	2	2.5	2.5	2.5
Reverse Voltage (V), I <sub>R</sub> =100μA	Min.	4	4	4	4

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