

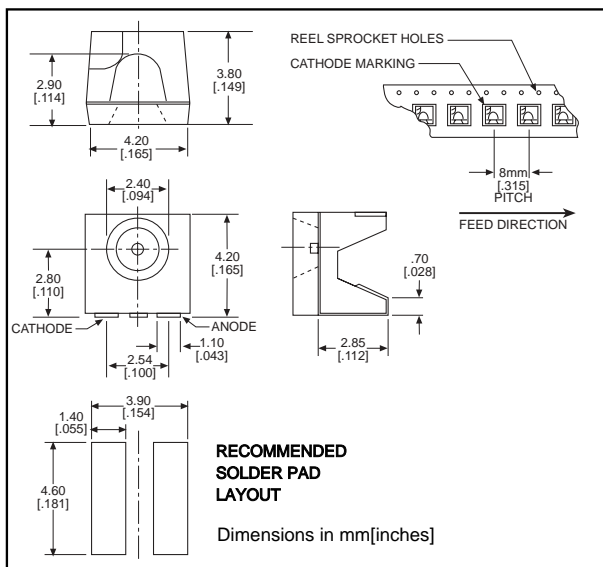
microLED®

**Surface Mount LED
Right Angle Type Package**

Dialight

597-2x01-2xx

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PART NO.*

- 597-2001-2xx
- 597-2301-2xx
- 597-2401-2xx

COLOR

- Red
- Green
- Yellow

Features

- Compatible with automatic placement equipment
- Compatible with infrared reflow processes
- Packaged on 12mm tape, 13" reels (meets EIA-481-1 standard)
- Helps to eliminate mixed technology PC board processing

***ORDERING INFORMATION**

597-2x01-2xx	
packaging option	
02	20 pieces on tape
13	13" reel, 2000 pcs/reel

ABSOLUTE MAXIMUM RATINGS (T_A=25°C)

	Red -2001	Green -2301	Yellow -2401
Power Dissipation (mW)	100	100	100
Forward Current (mA)	30	30	30
Derating (mA/C°) From 55°C	.66	.66	.66
Peak Current (mA)	500	500	500
<i>Pulse width = 10 μs</i>			
Operating Temperature (°C)	-55/+100	-55/+100	-55/+100
Storage Temperature (°C)	-55/+100	-55/+100	-55/+100
Soldering Temperature	260°C, 10 seconds		

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

OPERATING CHARACTERISTICS (T_A=25°C)

		Red -2001	Green -2301	Yellow -2401
Luminous Intensity (mcd)	Min.	4	4	4
	Typical	32	32	32
<i>I_F=10mA</i>				
Peak Wavelength (nm)	Typical	635	565	586
<i>λ Peak</i>				
Viewing Angle (2θ ^{1/2})	Typical	120°	120°	120°
Forward Voltage (V)	Typical	2	2	2
	Max.	2.6	2.6	2.6
<i>I_F=10mA</i>				
Reverse Current (μA)	Max	100	100	100
<i>(V_R = 5V)</i>				

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