

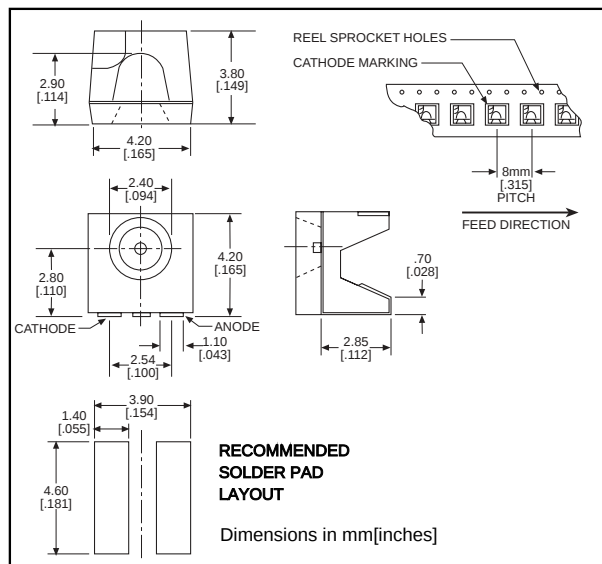


Surface Mount LED Right Angle Type Package

Dialight

597-2x01-2xx

1



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 ($T_A=25^{\circ}\text{C}$)

	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
Pulse width = 10 μs			
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 ($T_A=25^{\circ}\text{C}$)

		Red -2001	Green -2301	Yellow -2401
Luminous Intensity (mcd)	Min.	4	4	4
	Typical	32	32	32
Peak Wavelength (nm)	Typical	635	565	586
λ_{Peak}				
Viewing Angle ($2\theta_{1/2}$)	Typical	120°	120°	120°
Forward Voltage (V)	Typical	2	2	2
	Max.	2.6	2.6	2.6
Reverse Current (μA)	Max	100	100	100
($V_R = 5\text{V}$)				

$\theta_{1/2}$ is the off axis angle at which the luminous intensity is half the axial luminous intensity