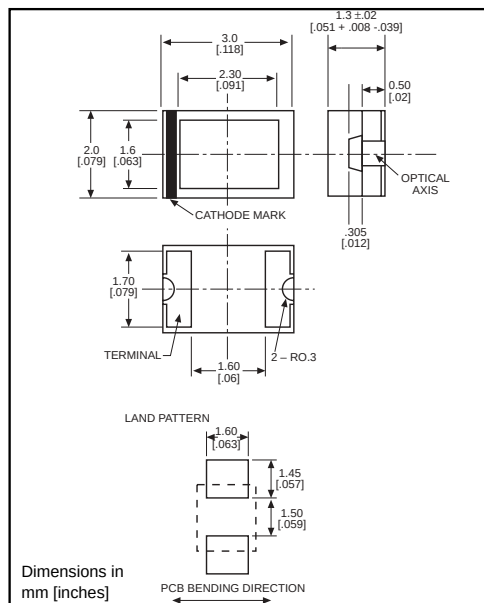




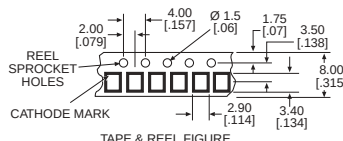
Surface Mount LED

Dialight

597-3xx1-5xx

NEW

TAPING SPECIFICATIONS



PART NO.*

COLOR

597-3021-5xx	Red
597-3111-5xx	AlGaAs Red
597-3211-5xx	Orange
597-3301-5xx	Green
597-3401-5xx	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

597-3xx1-5xx

packaging option →

02	20 pieces on tape
07	7" reel, 2500 pcs/reel

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

	Red -3021	AlGaAs Red -3111	Orange -3211	Green -3301	Yellow -3401
Power Dissipation (mW)	70	75	70	70	70
Forward Current (mA)	25	30	25	25	25
Derating (mA/°C) Above 25°C	.42	.42	.42	.42	.42
Peak Current (mA)	60	75	60	60	60
Pulse width = 1 ms					
Operating Temperature (°C)	-30/+85	-30/+85	-30/+85	-30/+85	-30/+85
Storage Temperature (°C)	-40/+85	-40/+85	-40/+85	-40/+85	-40/+85
Soldering Profile	240°C peak, max 10 seconds				

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

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

		Red -3021	AlGaAs Red -3111	Orange -3211	Green -3301	Yellow -3401
Luminous Intensity (mcd)	Min.	2.2	5.6	3.6	5.6	2.2
	Typical	6.3	16	10	16	6.3
Peak Wavelength (nm)	Typical	650	660	610	563	585
λ Peak						
Viewing Angle ($2\theta_{1/2}$)	Typical	104°	104°	104°	104°	104°
Forward Voltage (V)	Typical	2	1.75	2	2.2	2.1
	Max.	2.8	2.5	2.8	2.8	2.8
Reverse Current (μA)	Max	100	100	100	100	100
($V_R = 4\text{V}$)						

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