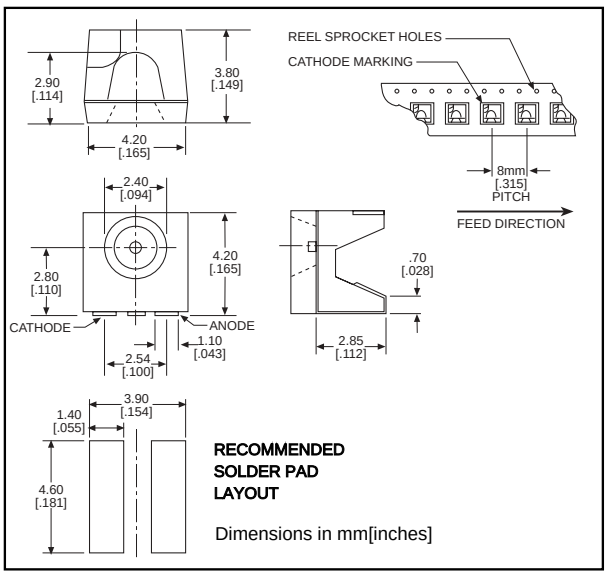
microLED®

Surface Mount LED Right Angle Type Package

Dialight

597-2x01-2xx



PART NO.*	COLOR
597-2001-2xx	Red
597-2301-2xx	Green
597-2401-2xx	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) Derating (mA/C°) *From 55°C*	30 .66	30 .66	30 .66
Peak Current (mA) *Pulse width = 10 µs*	500	500	500
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) I_F=10mA	Min. Typical	4 32	4 32	4 32
Peak Wavelength (nm) λ Peak	Typical	635	565	586
Viewing Angle ($2\Theta^{1/2}$)	Typical	120°	120°	120°
Forward Voltage (V) I_F=10mA	Typical Max.	2 2.6	2 2.6	2 2.6
Reverse Current (µA) (V_R = 5V)	Max	100	100	100

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