microLED®

Dialight

Surface Mount LED
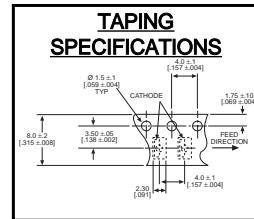## Right Angle Type Package
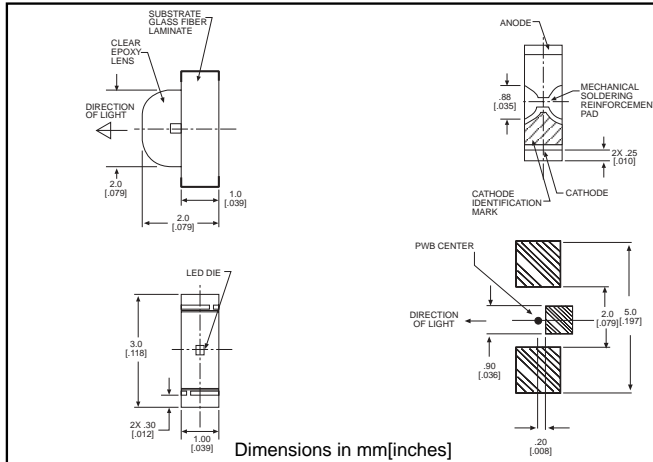
597-2xx1-4xx

Dimensions in mm[inches]

PART NO.*	COLOR
597-2002-4xx	Red
597-2111-4xx	Red
597-2201-4xx	Orange
597-2212-4xx	Orange
597-2222-4xx	Green
597-2311-4xx	Green
597-2401-4xx	Yellow

TAPING SPECIFICATIONS

*ORDERING INFORMATION

597-2xx1-4xx

packaging option

02	20 pieces on tape
07	7" reel, 3000 pcs/reel

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

ABSOLUTE MAXIMUM RATINGS $(T_A=25°C)$		Red -2202	Red -2111	Orange -2201	Orange -2212	Amber -2222	Green -2311	Yellow -2401
Power Dissipation (mW)		81	57.5	70	81	81	70	70
Forward Current (mA)		25	25	25	25	25	25	25
Derating (mA/C°) *Above 25°C*		.43	.36	.36	.43	.43	.36	.36
Peak Current (mA) *Pulse width = 100 µs*		30 100`	60	60	30 100	30 100	60	60
Operating Temperature (°C)		-40/+85	-30/+85	-30/+85	-40/+85	-40/+85	-30/+85	-30/+85
Storage Temperature (°C)		-40/+100	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100
Soldering Temperature		260°C, 5 seconds max						

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

OPERATING CHARACTERISTICS $(T_A=25°C)$		Red -2202	Red -2111	Orange -2201	Orange -2212	Amber -2222	Green -2311	Yellow -2401
Luminous Intensity (mcd)	Min.	16	6.2	1.5	16	16	2.6	1.5
$I_F=20mA$	Typical	50	12.4	3	65	65	5.2	3
Peak Wavelength (nm) λ Peak	Typical	630	660	605	609	592	560	580
Viewing Angle $(2\Theta^{1/2})$	Typical	130°	130°	130°	130°	130°	130°	130°
Forward Voltage (V)	Typical	1.9	1.7	2.2	1.9	1.9	2.1	2.2
$I_F=20mA$	Max.	2.4	2.3	2.8	2.4	2.4	2.8	2.8
Reverse Current (µA) $(V_R = 4V)$ *$(V_R = 5V)$	Max	100*	100	100	100	100*	100	100

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