microLED®

Surface Mount LED Right Angle Type Package

Dialight

597-2xx1-4xx

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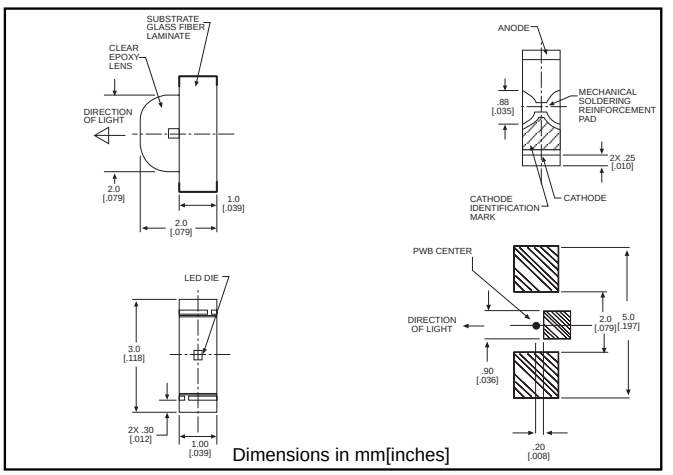
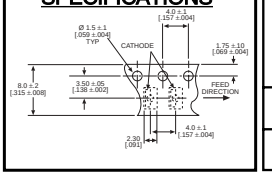


Dimensions in mm[inches]

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)	30	60	60	30	30	60	60
Pulse width = 100 µs	100`			100	100		
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