

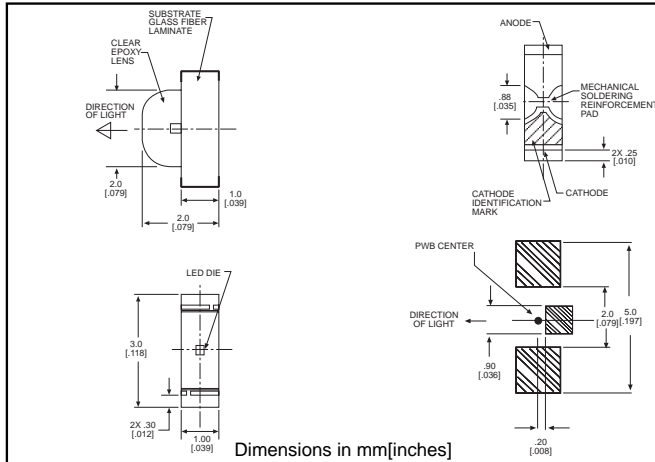


Surface Mount LED Right Angle Type Package

Dialight

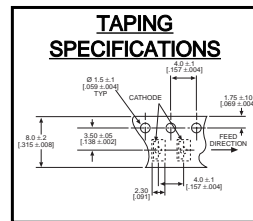
597-2xx1-4xx

1



PART NO.*
 597-2002-4xx
 597-2111-4xx
 597-2201-4xx
 597-2212-4xx
 597-2222-4xx
 597-2311-4xx
 597-2401-4xx

COLOR
 Red
 Red
 Orange
 Orange
 Green
 Green
 Yellow



***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 ($T_A=25^\circ\text{C}$)	Red	Red	Orange	Orange	Amber	Green	Yellow
	-2202	-2111	-2201	-2212	-2222	-2311	-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 ($^\circ\text{C}$)	-40/+85	-30/+85	-30/+85	-40/+85	-40/+85	-30/+85	-30/+85
Storage Temperature ($^\circ\text{C}$)	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100	-40/+100
Soldering Temperature	260°C, 5 seconds max						
<i>Solder Adherence per MIL-STD-202E, Method 208C</i>							
OPERATING CHARACTERISTICS ($T_A=25^\circ\text{C}$)	Red	Red	Orange	Orange	Amber	Green	Yellow
	-2202	-2111	-2201	-2212	-2222	-2311	-2401
Luminous Intensity (mcd)	Min.	6.2	1.5	16	16	2.6	1.5
$I_F=20\text{mA}$	Typical	50	3	65	65	5.2	3
Peak Wavelength (nm)	Typical	630	660	605	609	592	580
λ_{Peak}							
Viewing Angle ($2\theta_{1/2}$)	Typical	130°	130°	130°	130°	130°	130°
Forward Voltage (V)	Typical	1.9	1.7	2.2	1.9	1.9	2.1
$I_F=20\text{mA}$	Max.	2.4	2.3	2.8	2.4	2.4	2.8
Reverse Current (∞A)	Max	100*	100	100	100	100*	100
$(V_R = 4\text{V})$ $^*(V_R = 5\text{V})$							

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