



598 SERIES

MicroLED® SMD LED

Right Angle

Single-Color 2106

2.10 x 0.60 x 1.00mm

MECHANICAL / SPECIFICATIONS

DIMENSIONS:
2.10 x 0.60 x 1.00mm

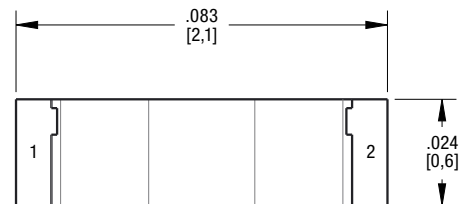
STANDARD PACKAGING:
3000 pcs / Reel

CERTIFICATIONS & RATINGS
ROHS Compliant

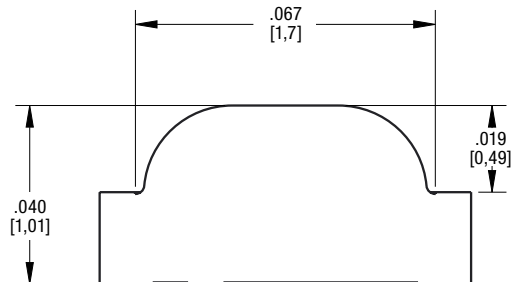
FEATURES & BENEFITS
MOISTURE SENSITIVITY LEVEL: 3

DIMENSIONS inches [mm]

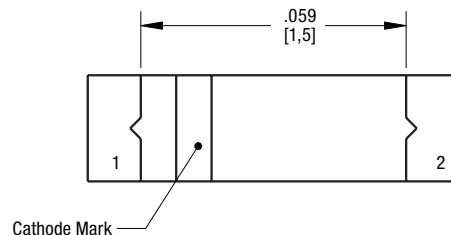
FRONT VIEW



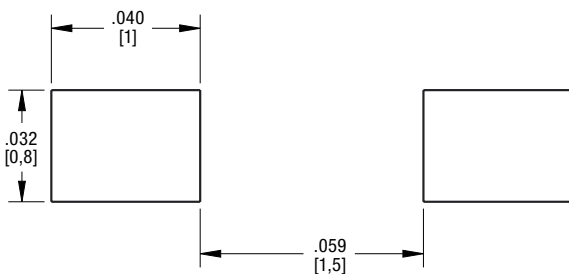
TOP VIEW



BACK VIEW



RECOMMENDED PAD LAYOUT



LED SCHEMATICS



ELECTRICAL/OPTICAL CHARACTERISTICS @ Ta=25°C

				Luminous Intensity (mcd)			Dominant Wavelength (nm)			Forward Voltage (V)			Viewing Angle (°deg.)	Reverse Current Intensity (μA)
				I _F =20mA										
Part Number	Emitted Color	Material	Lens Color	Min	Typ	Max	Min	Typ	Max	Min	Typ	Max	I _F =20mA	(I _r) V _R =5V
598-8Q10-127F	● Red	AlGaInP	Water Clear	100	-	320	620	-	630	1.8	-	2.4	120	10
598-8Q30-127F	● Orange	AlGaInP		86	-	321	600	-	610	1.8	-	2.4		
598-8Q40-127F	● Yellow	AlGaInP		146	-	321	586	-	596	1.8	-	2.4		
598-8Q60-127F	● Yellow-Green	AlGaInP		25	-	80	566	-	576	1.8	-	2.4		
598-8Q80-127F	● Green	InGaN/GaN		320	-	1000	520	-	530	2.8	-	3.6		
598-8Q90-127F	● Blue	InGaN/GaN		100	-	320	464	-	474	2.8	-	3.6		
598-2Q00-127F	○ White	InGaN/GaN	Diffused	500	-	1500	*x=0.29 *y=0.31	-	*x=0.35 *y=0.40	2.8	-	3.6		

*Chromaticity Coordinates

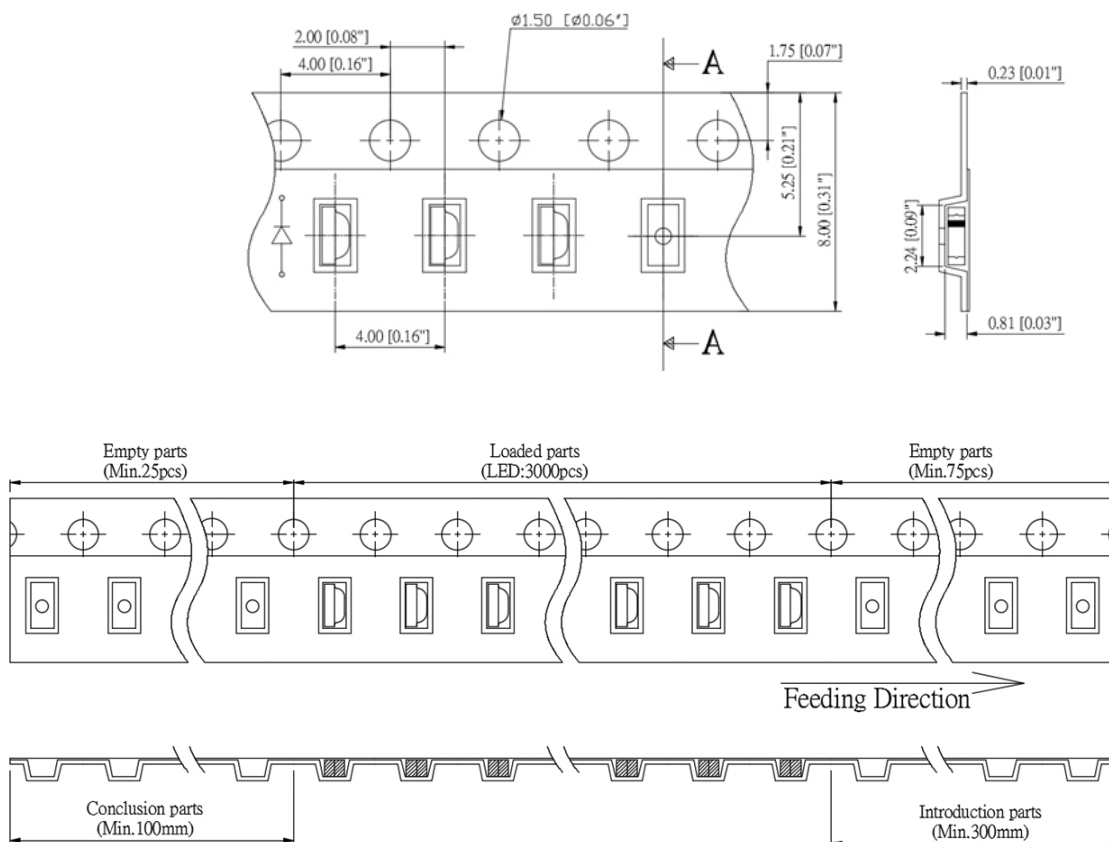
ABSOLUTE MAXIMUM RATINGS @ 25°C AMBIENT

LED Color	Power Dissipation (mW)	Forward Current (mA)	Peak Forward Current (mA)	Reverse Voltage (V)	Operating Temperature (°C)	Storage Temperature (°C)
● Red	72	30	125	5	-40 to +85	-40 to +85
● Orange	72	30	125	5		
● Yellow	72	30	125	5		
● Yellow-Green	75	30	125	5		
● Blue	108	30	125	5		
● Green	108	30	125	5		
○ White	108	30	125	5		

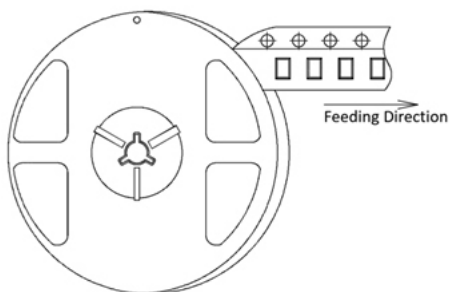
Condition for Peak Forward Current: 1/8 Duty Cycle, f=1kHz

TAPE AND REEL SPECIFICATION

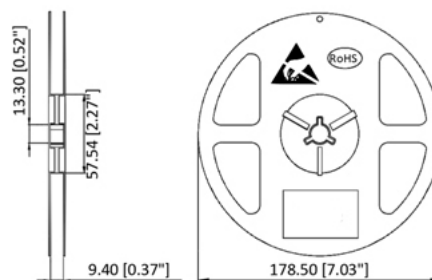
● Dimensions of Tape (Unit: mm)



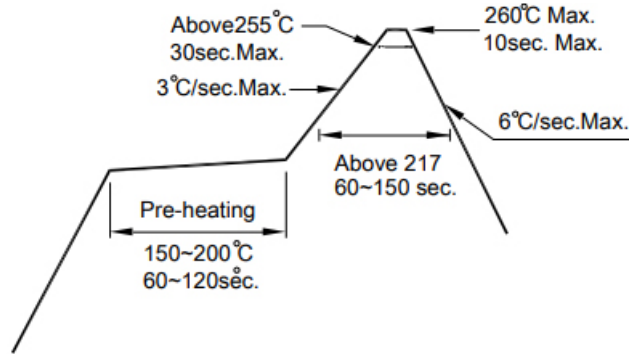
● Feeding Direction



● Dimensions of Reel (Unit: mm)



SOLDERING PROFILE



Soldering notes:

1. Reflow soldering should not be done more than one times.