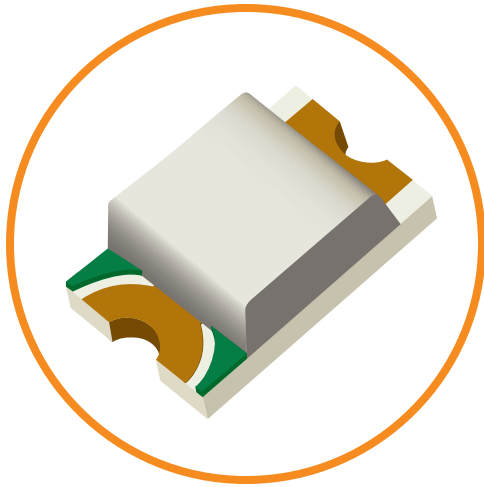




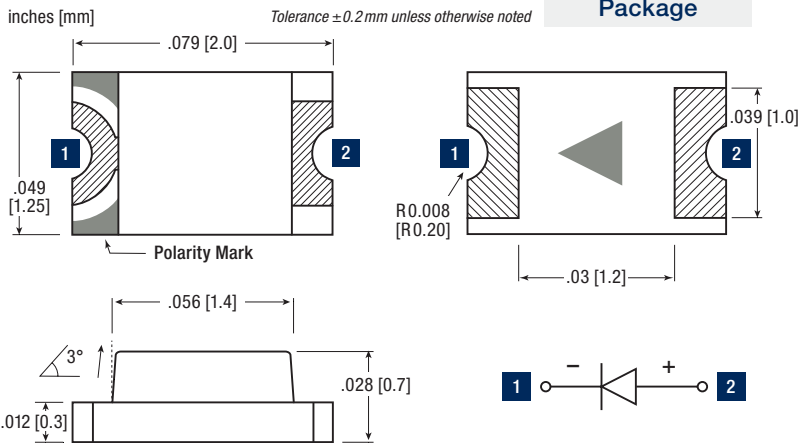
Certifications & Ratings

- RoHS compliant

Features & Benefits

- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (4000 pcs/reel) and 20 per strip
- Meets EIA-481-1 pkg. std.

Dimensions



Part Number Guide

Pin Number Guide

5

9

8

-

8

1

X

X

-

1

0

X

F

Color

Red

1

0

Red-Orange

2

0

Orange

3

0

Yellow

4

0

Yellow

5

0

Yellow-Green

6

0

Green

7

0

Green

8

1

Blue

9

1

Packaging Option

2

20 pieces on tape

7

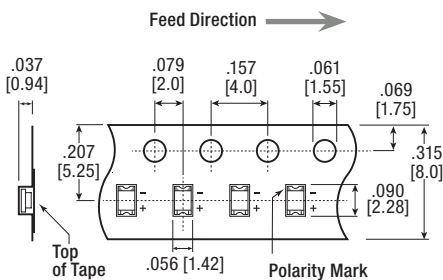
7" reel

4000 pcs/reel

RoHS Compliant

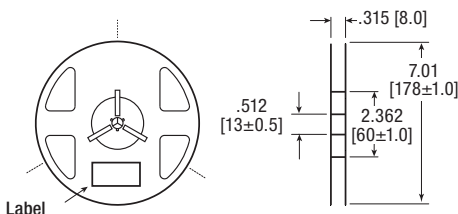
Tape

Tolerance ± 0.1 mm unless otherwise noted

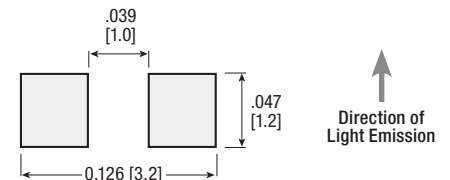


Reel

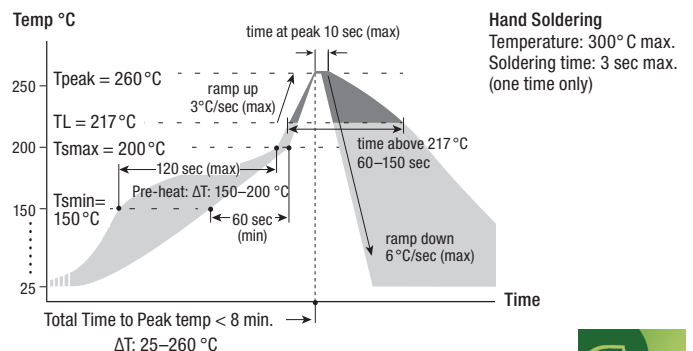
Tolerance ± 0.1 mm unless otherwise noted



Soldering

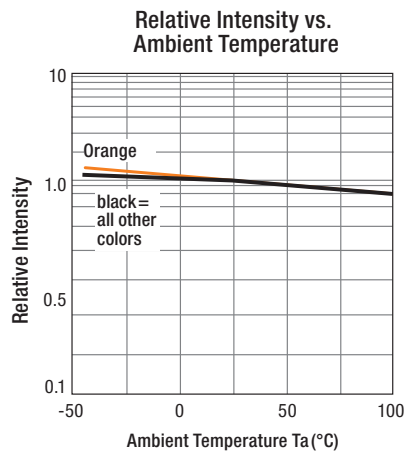
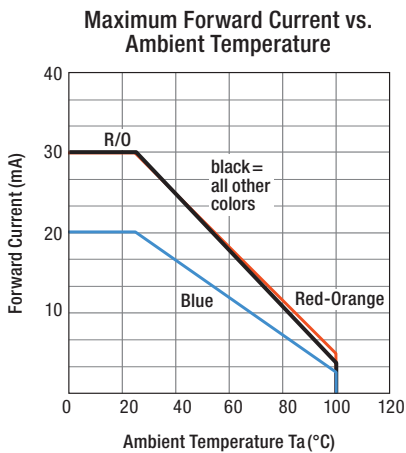
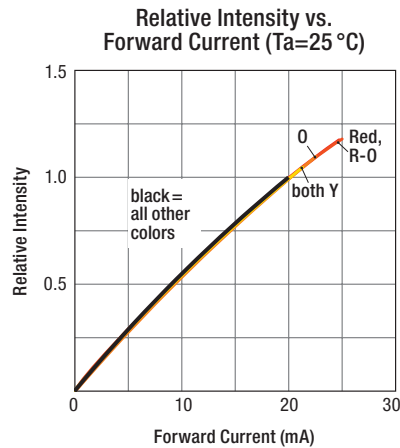
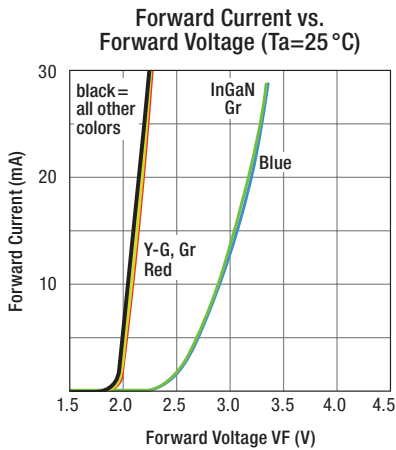


Reflow Profile



Electrical/Optical Characteristics

Dialight P/N		Emitted Color	Material	Lens Color	Luminous Intensity			Dominant Wavelength			Forward Voltage			Viewing Angle (°deg.)	Thermal Resistance (°C/W) R _{th(j-s)} I _f =20 ma	Reverse Current Intensity (μA) (I _r) V _R =5 V
20-Piece Tape	7" Reel, 4000 pcs				Min	Typ	Max	Min	Typ	Max	Min	Typ	Max			
598-8110-102F	598-8110-107F	Red	AlInGaP	Non-Diffused	20	55	90	625	633	640	1.8	2.1	2.4	140	450	10
598-8120-102F	598-8120-107F	Red-Orange			120	190	260	620	625	630	1.8	2.1	2.4			
598-8130-102F	598-8130-107F	Orange			70	165	260	600	605	610	1.8	2.1	2.4			
598-8140-102F	598-8140-107F	Yellow			150	205	260	590	592	595	1.8	2.1	2.4			
598-8150-102F	598-8150-107F	Yellow			90	120	150	585	587	590	1.8	2.1	2.4			
598-8160-102F	598-8160-107F	Yellow-Green			43	62	80	570	572	575	1.8	2.1	2.4			
598-8170-102F	598-8170-107F	Green			12	28	43	562	566	570	1.8	2.1	2.4			
598-8181-102F	598-8181-107F	Green	InGaN		260	580	900	520	525	530	2.8	3.2	3.5			
598-8191-102F	598-8191-107F	Blue			90	145	200	465	470	475	2.8	3.2	3.5			



Absolute Maximum Ratings @ Ts=25 °C

Power Dissipation (mW)	72	105 ● G - InGaN
Forward Current (mA)	30	20 ● B
Reverse Voltage (V)	5	
Operating Temp (°C)	-40 to +100	
Storage Temp (°C)	-40 to +100	
Peak Pulse Fw Current (mA)	60	
Electrostatic Discharge (HBM) (V)	2000	1000 ● G - InGaN ● B
Junction Temp (°C)	105	

Diagram Characteristics of Radiation

