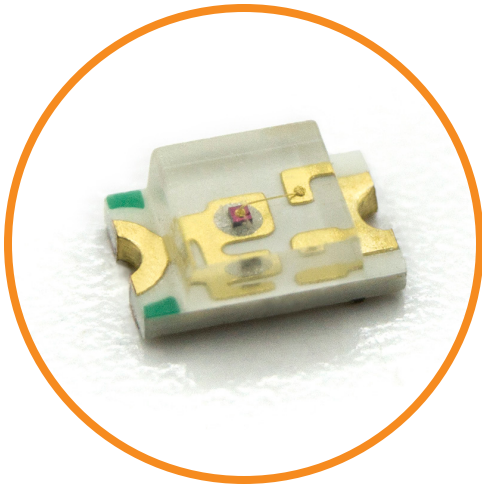




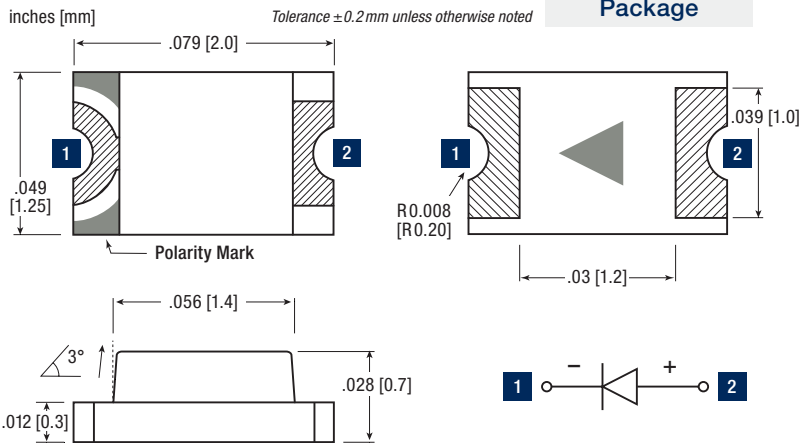
Certifications & Ratings

- 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

9

-

0

1

X

X

-

0

0

X

F

Color

● Red

1

0

● Red-Orange

2

0

● Orange

3

0

● Yellow

4

0

● Yellow-Green

6

0

● Green

8

1

● Blue

9

1

RoHS Compliant

Packaging Option

2

20 piece tape

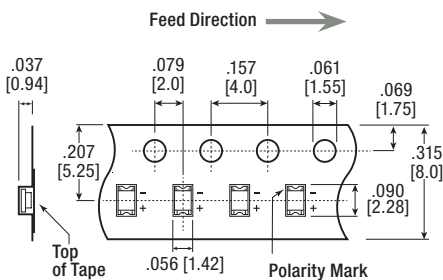
7

7" reel

4000 pcs/reel

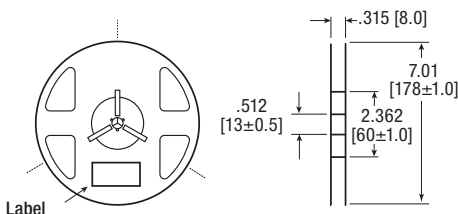
Tape

Tolerance ± 0.1 mm unless otherwise noted

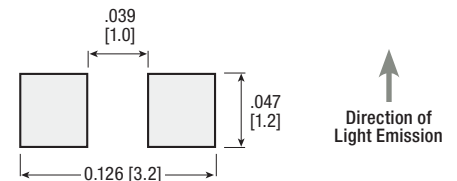


Reel

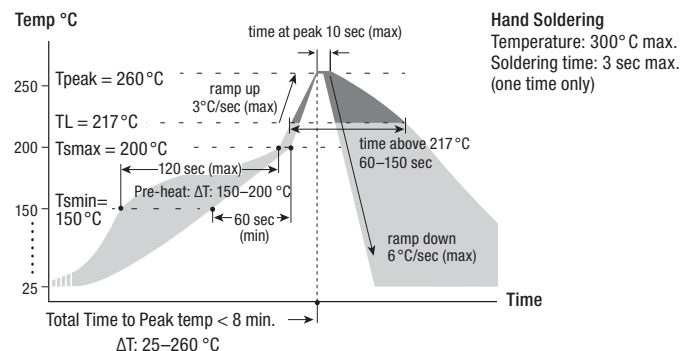
Tolerance ± 0.1 mm unless otherwise noted



Soldering



Reflow Profile



Electrical/Optical Characteristics

Electrical/Optical Characteristics					Luminous Intensity		Dominant Wavelength		Forward Voltage		Viewing Angle (°deg.)	Thermal Resistance (°C / W)	Reverse Current Intensity (μA)	
Dialight P/N		Emitted Color	Material	Lens Color	If = 20 ma							Rth(j-s) If=20 ma	(Ir)VR=5V	
20-Piece Tape	7" Reel, 4000 pcs				Min	Typ	Min	Typ	Max	Typ				Max
599-0110-002F	599-0110-007F	● Red	AlInGaP	Non Diffused	15	29	625	633	640	2.1	2.5	140	450	10
599-0120-002F	599-0120-007F	● Red-Orange			90	138	620	625	630	2.1	2.5			
599-0130-002F	599-0130-007F	● Orange			53	95	600	605	610	2.1	2.5			
599-0140-002F	599-0140-007F	● Yellow			68	112	585	590	595	2.1	2.5			
599-0160-002F	599-0160-007F	● Yellow-Green			9	43	562	569	575	2.1	2.5			
599-0181-002F	599-0181-007F	● Green	InGaN		195	340	520	525	530	3.2	3.6			
599-0191-002F	599-0191-007F	● Blue			68	105	465	470	475	3.2	3.6			

Absolute Maximum Ratings @ Ts=25 °C

Power Dissipation (mW)	72	105	● G - InGaN
Forward Current (mA)	30	70	● 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		

