

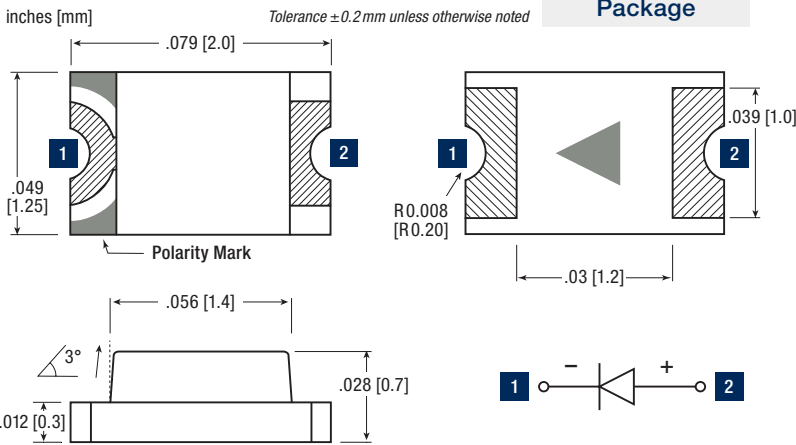
Certifications & Ratings

- 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

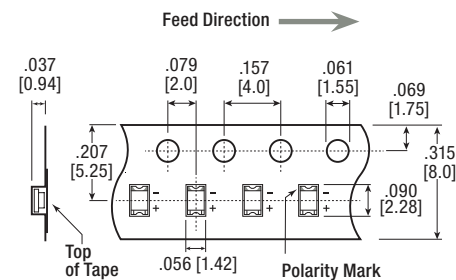


Part Number Guide

RoHS Compliant						
5 9 9 - 0 1 X X - 0 0 X F						
Color				Packaging Option		
● Red	1	0		2	20 piece tape	
● Red-Orange	2	0		7	7" reel 4000 pcs/reel	
● Orange	3	0				
● Yellow	4	0				
● Yellow-Green	6	0				
● Green	8	1				
● Blue	9	1				

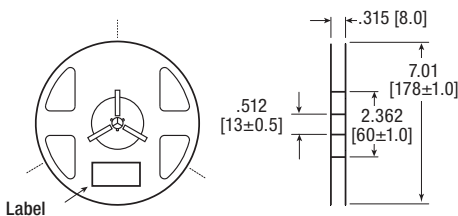
Tape

Tolerance ± 0.1 mm unless otherwise noted

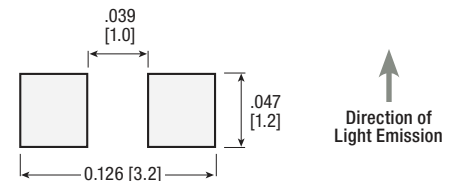


Reel

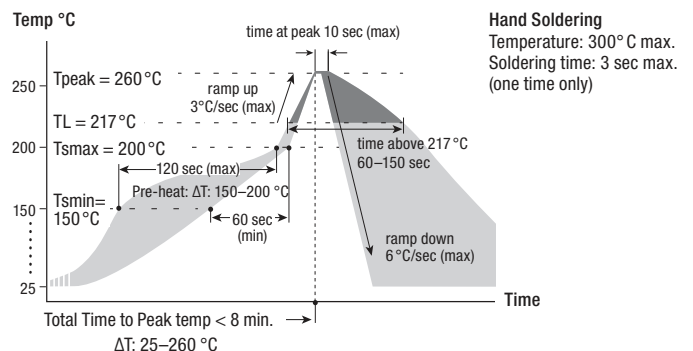
Tolerance ± 0.1 mm unless otherwise noted



Soldering



Reflow Profile

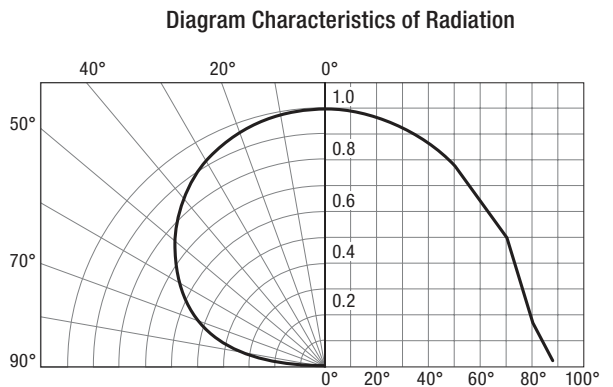
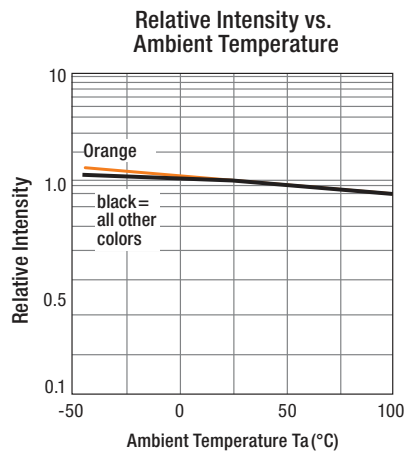
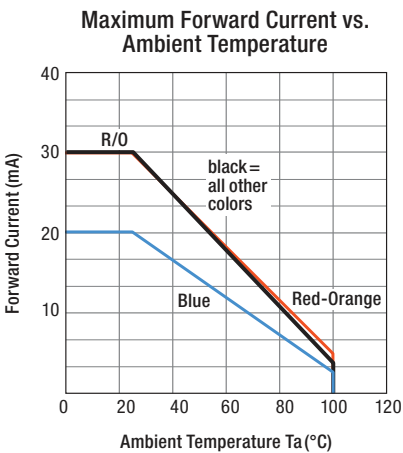
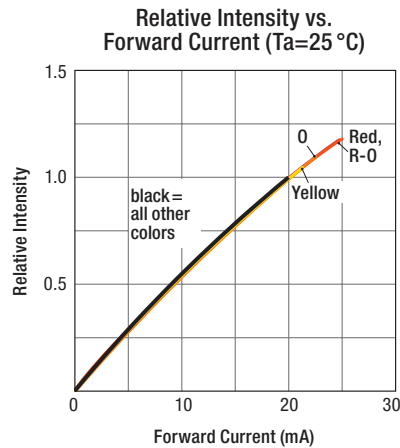
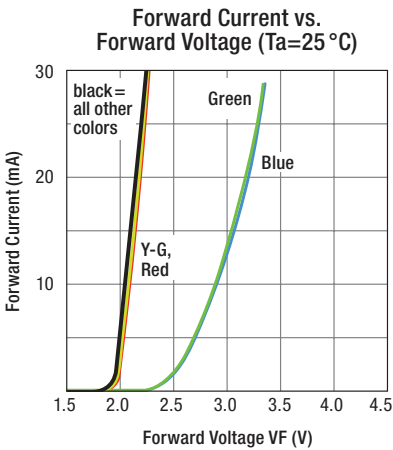


Electrical/Optical Characteristics

Dialight P/N		Emitted Color	Material	Lens Color	Luminous Intensity		Dominant Wavelength			Forward Voltage		Viewing Angle (°deg.)	Thermal Resistance (°C/W) Rth(j-s) If=20 ma	Reverse Current Intensity (µA) (Ir) VR=5V
20-Piece Tape	7" Reel, 4000 pcs				If = 20 ma									
				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
		70 ● B
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	



Dialight reserves the right to make changes at any time in order to supply the best product possible. The most current version of this document will always be available at: www.dialightsignalsandcomponents.com

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