

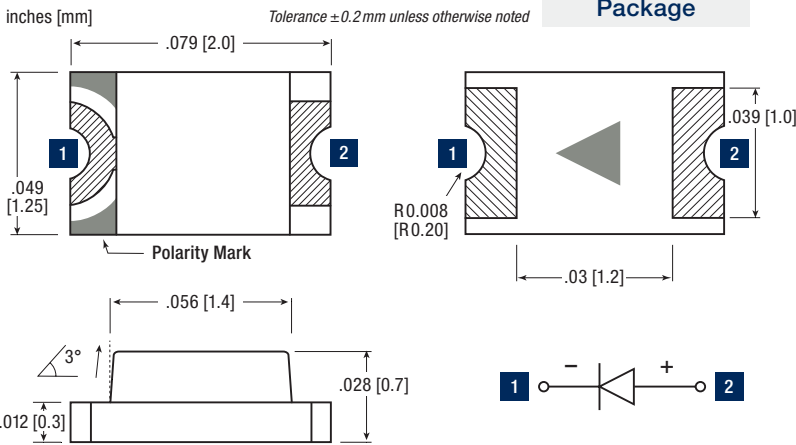
Certifications & Ratings

- 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

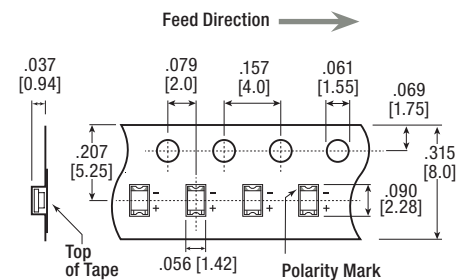


Part Number Guide

		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		

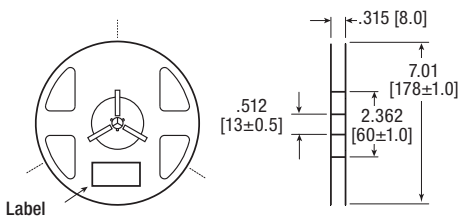
Tape

Tolerance ± 0.1 mm unless otherwise noted

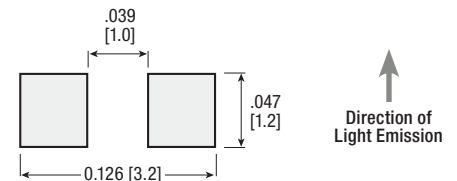


Reel

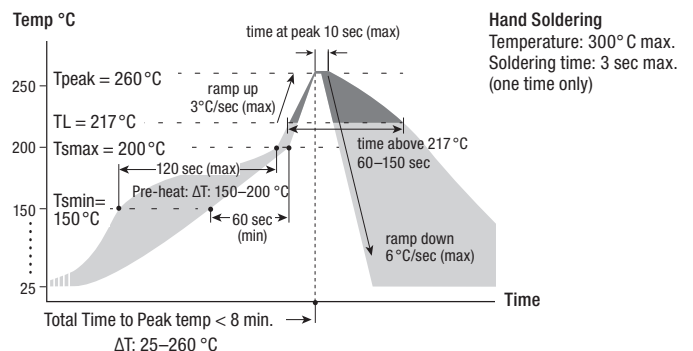
Tolerance ± 0.1 mm unless otherwise noted



Soldering



Reflow Profile

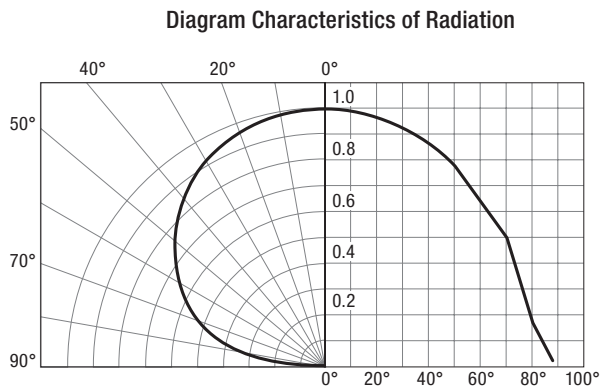
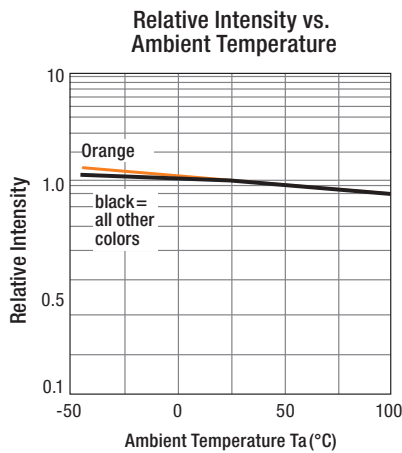
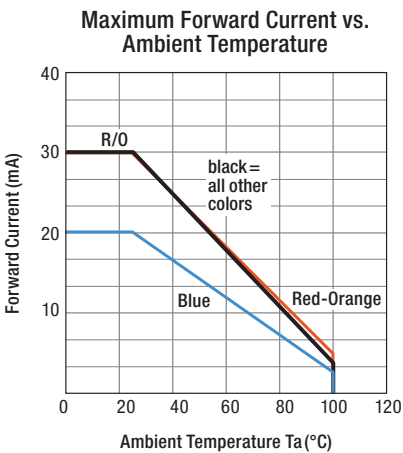
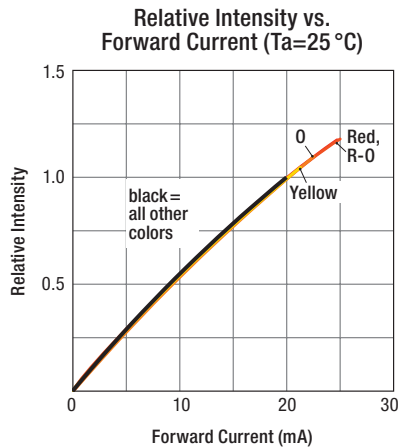
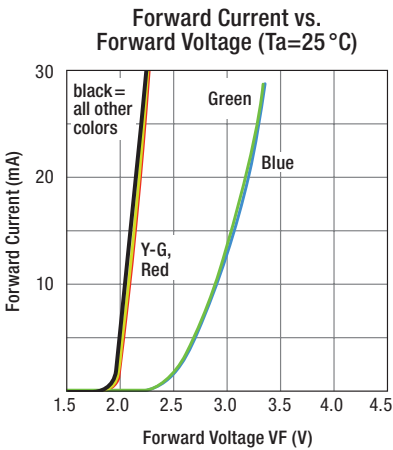


Electrical/Optical Characteristics

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
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	



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