

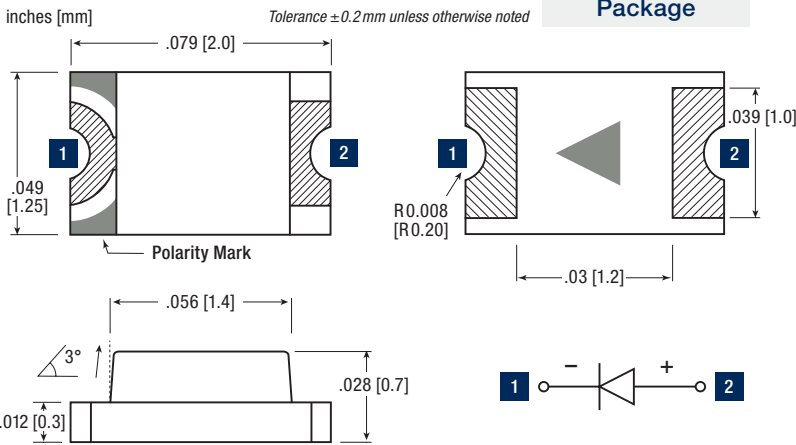
Certifications & Ratings

- 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

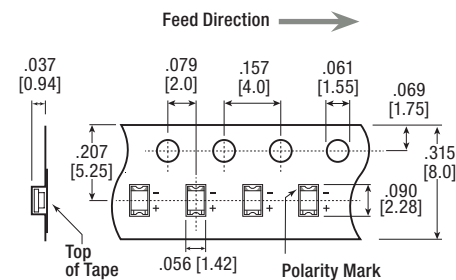


Part Number Guide

Part Number							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						
● Orange	3	0			4000 pcs/reel							
● Yellow	4	0										
● Yellow-Green	6	0										
● Green	8	1										
● Blue	9	1										

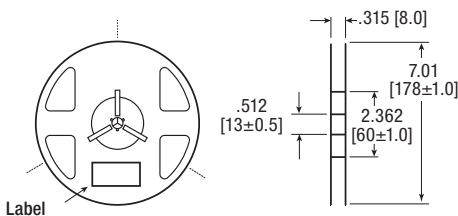
Tape

Tolerance ± 0.1 mm unless otherwise noted

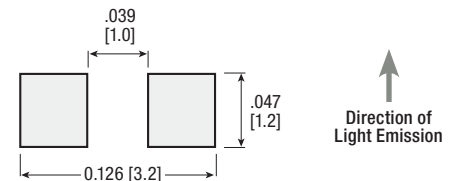


Reel

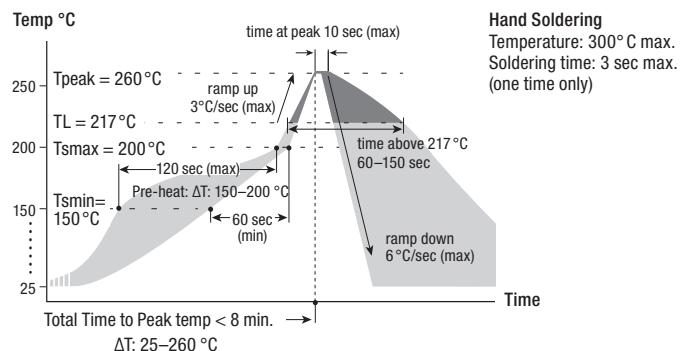
Tolerance ± 0.1 mm unless otherwise noted



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) R _{th(j-s)} I _f =20 ma	Reverse Current Intensity (μA) (I _r) V _R =5V
20-Piece Tape	7" Reel, 4000 pcs				I _f = 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	

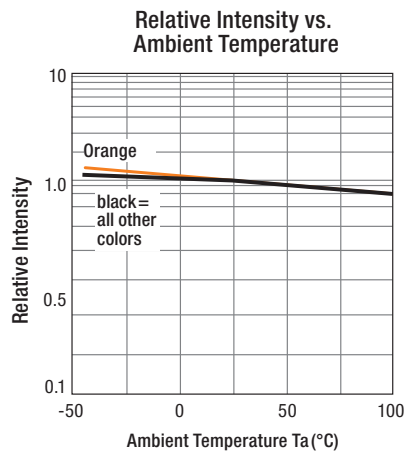
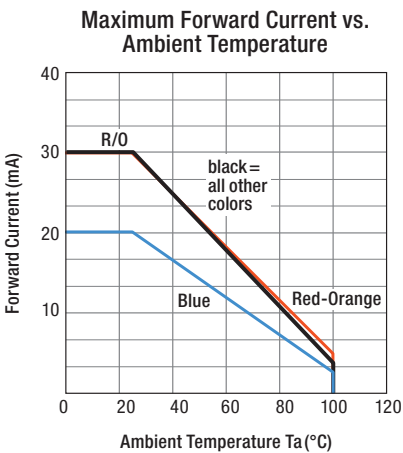
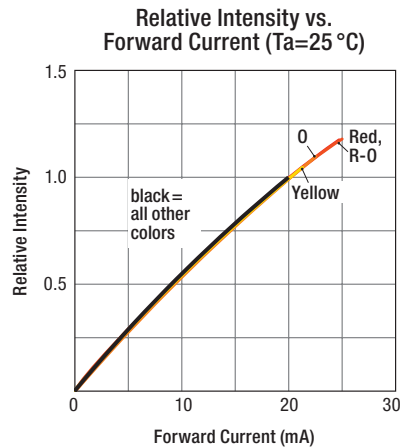
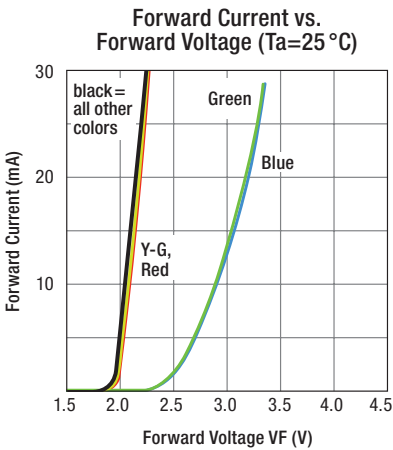
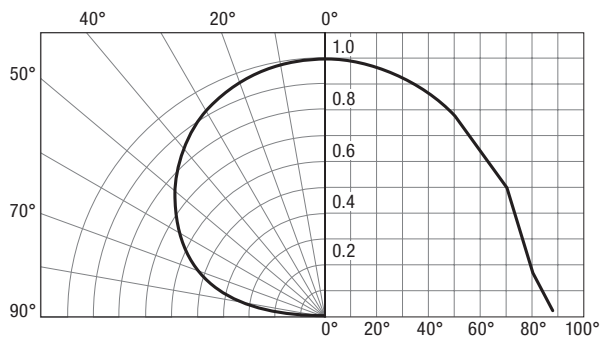


Diagram Characteristics of Radiation



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