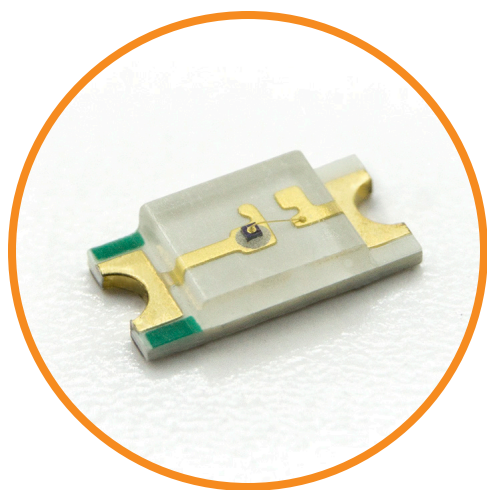


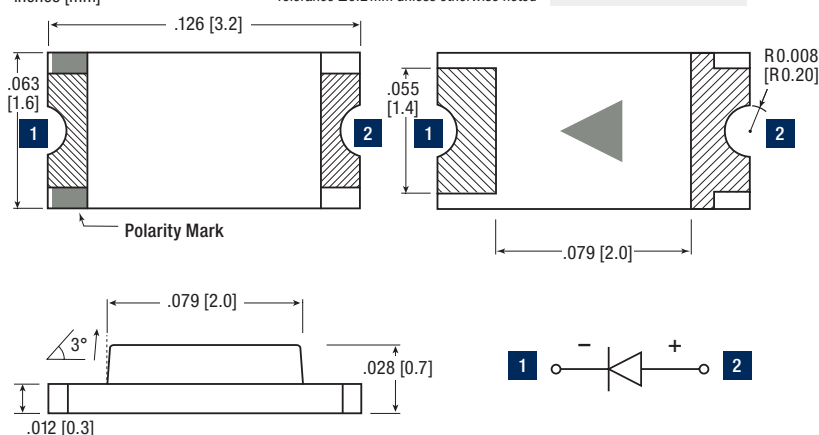


Dimensions

inches [mm]

Tolerance ± 0.2 mm unless otherwise noted

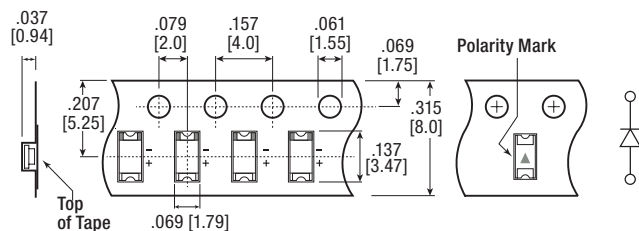
Package



Tape

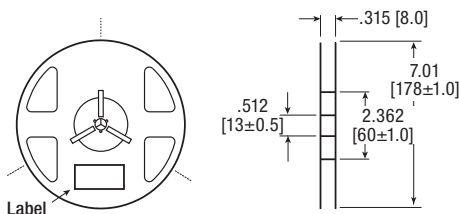
Tolerance ± 0.1 mm unless otherwise noted

Feed Direction



Reel

Tolerance ± 0.1 mm unless otherwise noted



Certifications & Ratings

- RoHS compliant

Features & Benefits

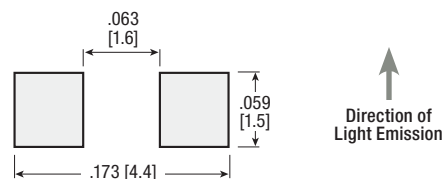
- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (4000 pcs/reel) and 20 per strip
- Meets EIA-481-1 pkg. std.

Part Number Guide

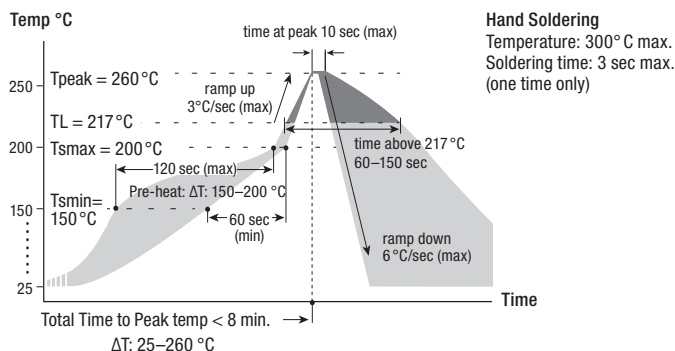
RoHS Compliant

5 9 9 - 0 2 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						

Soldering

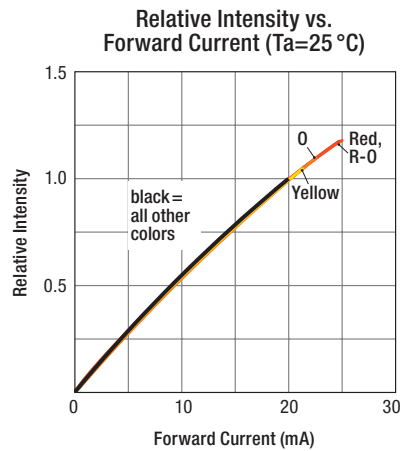
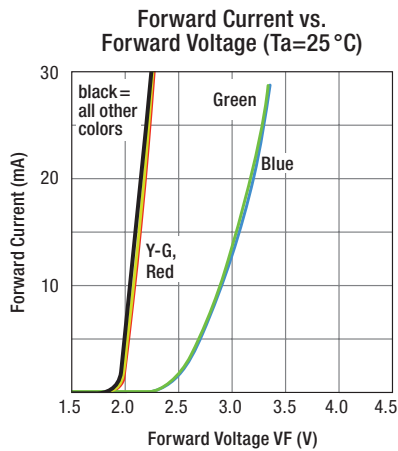


Reflow Profile



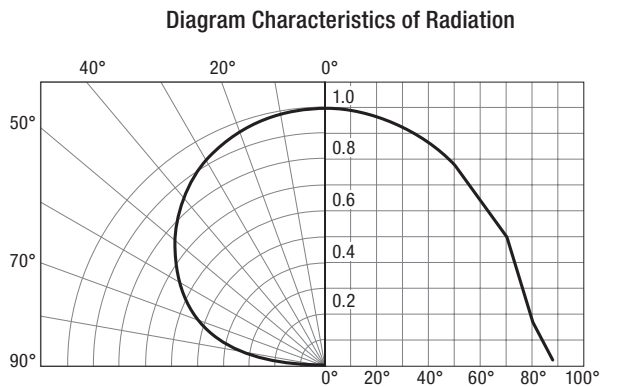
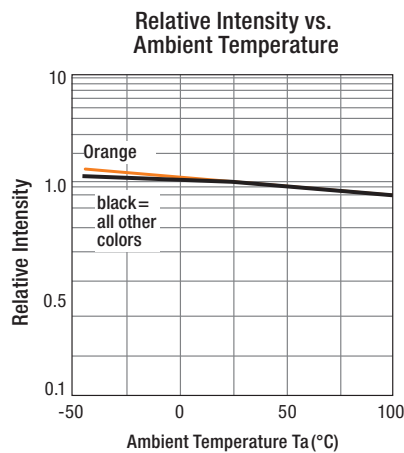
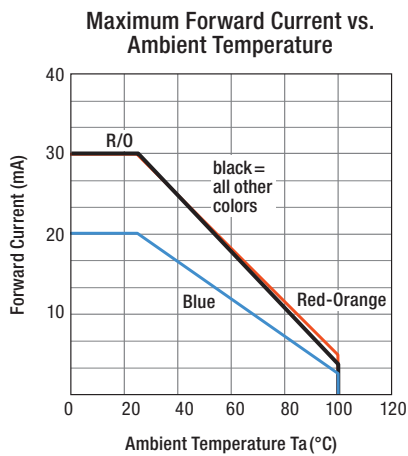
Electrical/Optical Characteristics

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						
599-0210-002F	599-0210-007F	● Red	AlInGaP	Non Diffused	15	29	625	633	640	2.1	2.5	140	450	10			
599-0220-002F	599-0220-007F	● Red-Orange			53	90	620	625	630	2.1	2.5						
599-0230-002F	599-0230-007F	● Orange			68	112	600	605	610	2.1	2.5						
599-0240-002F	599-0240-007F	● Yellow			68	126	585	590	595	2.1	2.5						
599-0260-002F	599-0260-007F	● Yellow-Green			14	54	562	569	575	2.1	2.5						
599-0281-002F	599-0281-007F	● Green	InGaN		195	340	517	525	530	3.2	3.6						
599-0291-002F	599-0291-007F	● Blue			68	105	465	470	475	3.2	3.6						



Absolute Maximum Ratings @ Ts=25°C

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