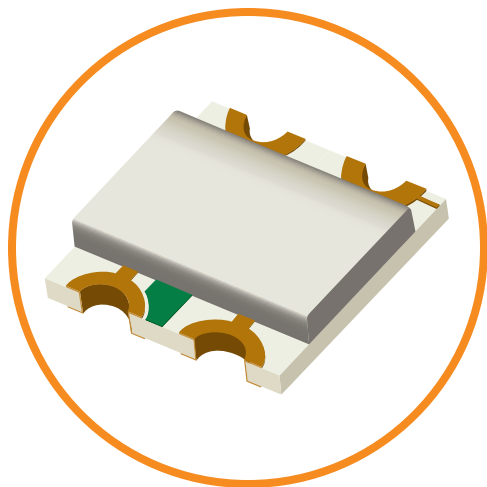
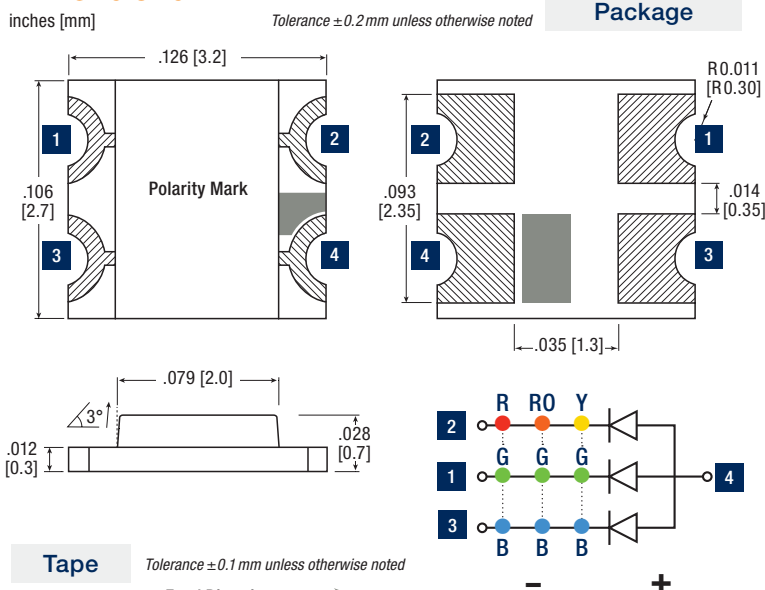




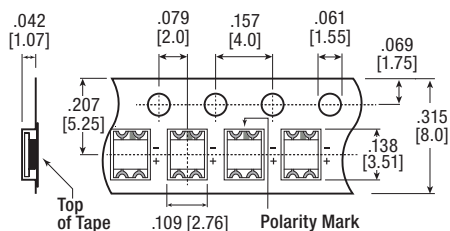
Dimensions



Tape

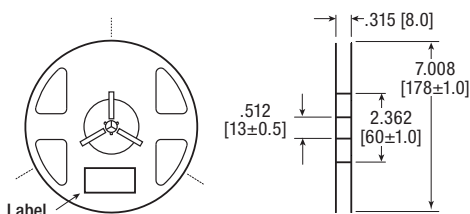
Tolerance ± 0.1 mm unless otherwise noted

Feed Direction →



Reel

Tolerance ± 0.1 mm unless otherwise noted



Certifications & Ratings

- RoHS compliant

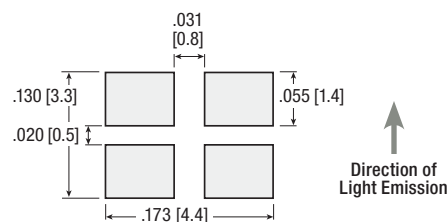
Features & Benefits

- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (3000 pcs/reel) and 20 per strip
- Meets EIA-481-1 pkg. std.

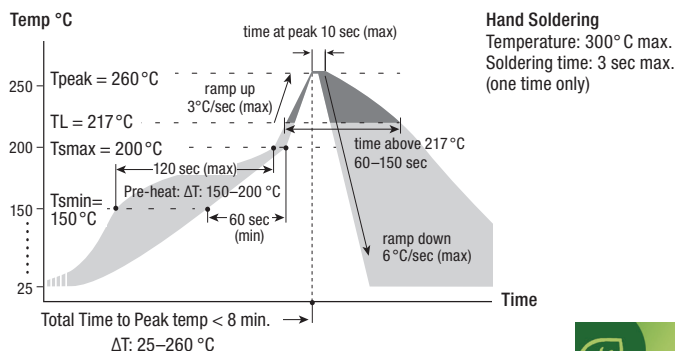
Part Number Guide

Part Number										RoHS Compliant		
5	9	8	-	8	X	X	X	-	3	0	X	F
Color										Packaging Option		
Red				6	1	0			2	20 pieces on tape		
Green												
Blue												
Red-Orange												
Green				9	2	0			7	7" reel 3000 pcs/reel		
Blue												
Yellow												
Green				9	4	0						
Blue												

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											R _{th(j-s)} If=20 ma	(Ir)VR=5V	
20-Piece Tape	7" Reel, 4000 pcs				Min	Typ	Max	Min	Typ	Max	Min	Typ	Max					
598-8610-302F	598-8610-307F	Red	AlInGaP	Non-Diffused	40	65	90	630	635	640	1.8	2.1	2.4	140	450	10		
		Green	InGaN		260	580	900	515	520	525	2.8	3.1	3.4					
		Blue			60	160	260	465	470	475	2.8	3.1	3.4					
598-8920-302F	598-8920-307F	Red-Orange	AlInGaP		90	120	150	620	625	630	1.8	2.1	2.4					
		Green	InGaN		260	580	900	515	520	525	2.8	3.1	3.4					
		Blue			90	175	260	465	470	475	2.8	3.1	3.4					
598-8940-302F	598-8940-307F	Yellow	AlInGaP		90	175	260	585	590	595	1.8	2.1	2.4					
		Green	InGaN		260	580	900	515	520	525	2.8	3.1	3.4					
		Blue			60	160	260	465	470	475	2.8	3.1	3.4					

Absolute Maximum Ratings @ Ts=25 °C

Power Dissipation (mW)	Red (R)	Red-Orange (RO)	Yellow (Y)	48
	Green (G)	Green (G)	Green (G)	68
	Blue (B)	Blue (B)	Blue (B)	68
Forward Current (mA)	20			
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)	1000			
Junction Temp (°C)	105			

