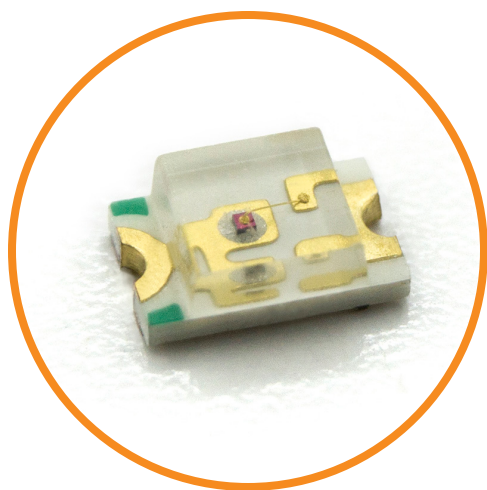


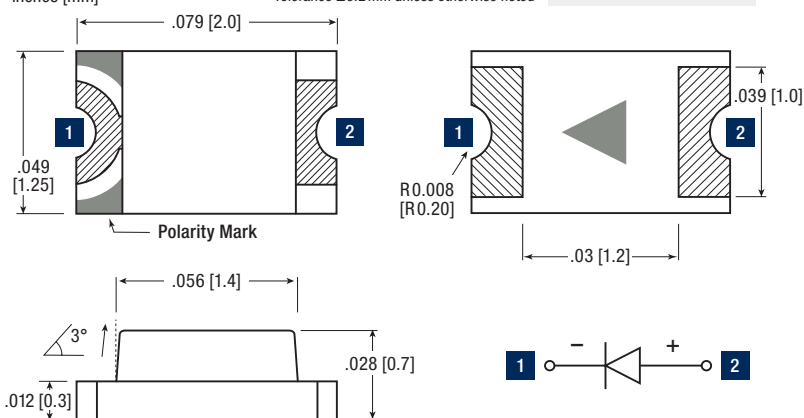


Dimensions

inches [mm]

Tolerance ± 0.2 mm unless otherwise noted

Package



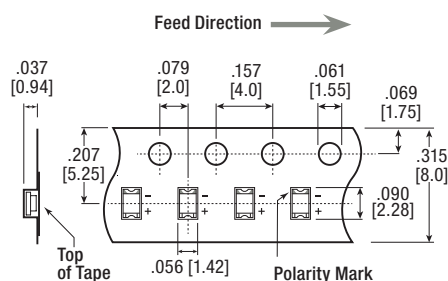
Part Number Guide

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

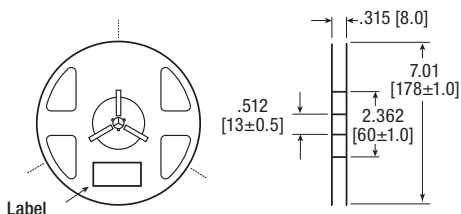
Tape

Tolerance ± 0.1 mm unless otherwise noted

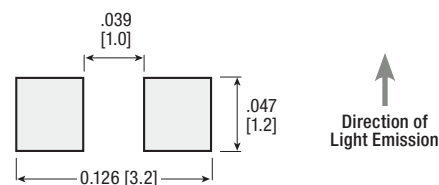


Reel

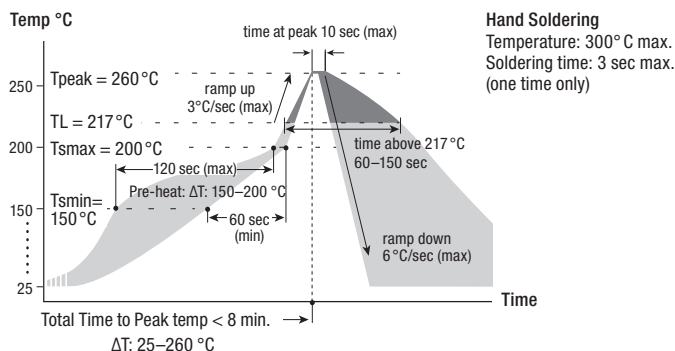
Tolerance ± 0.1 mm unless otherwise noted



Soldering



Reflow Profile



Electrical/Optical Characteristics

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					
599-0110-002F	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		

