

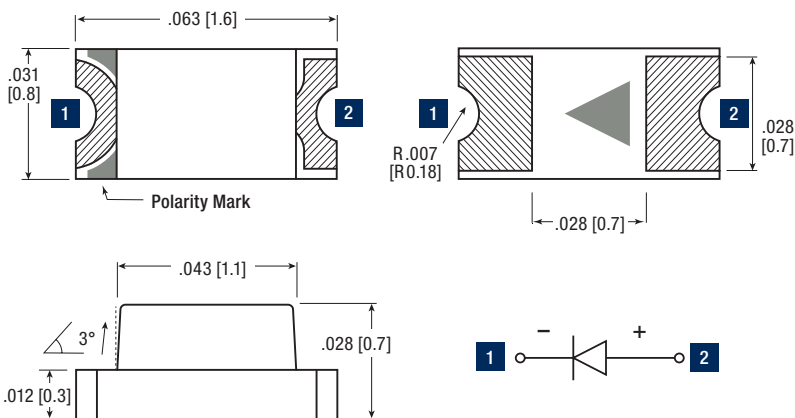


Dimensions

inches [mm]

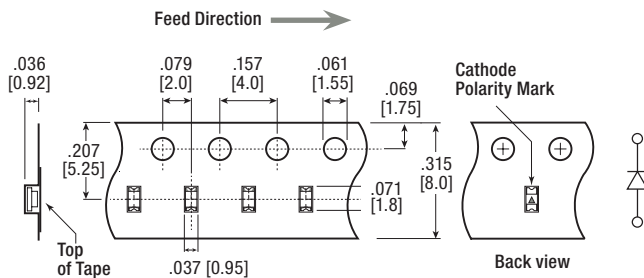
Tolerance ± 0.2 mm unless otherwise noted

Package



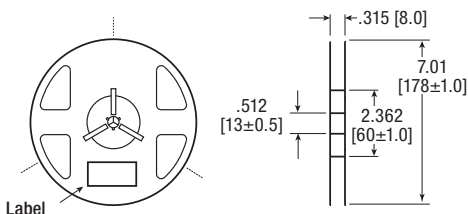
Tape

Tolerance ± 0.1 mm unless otherwise noted



Reel

Tolerance ± 0.1 mm unless otherwise noted



Certifications & Ratings

- RoHS compliant

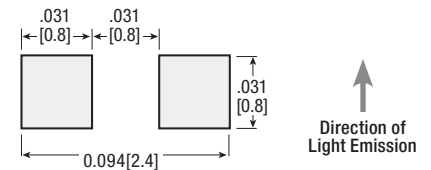
Features & Benefits

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

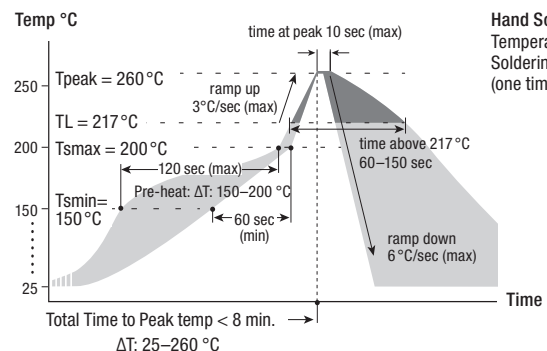
Part Number Guide

Pin Number Guide										RoHS Compliant		
5	9	8	-	8	0	X	X	-	1	0	X	F
Color						Packaging Option						
 Red						1	0					
 Red-Orange						2	0					
 Orange						3	0					
 Yellow						4	0					
 Yellow						5	0					
 Yellow-Green						6	0					
 Green						7	0					
 Green						8	1					
 Blue						9	1					
						7	7" reel 4000 pcs/reel					

Soldering



Reflow Profile



Hand Soldering
Temperature: 300 °C max.
Soldering time: 3 sec max.
(one time only)



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
7" Reel, 4000 pcs				Min	Typ	Max	Min	Typ	Max	Min	Typ	Max			
598-8010-107F	● Red	AlInGaP	Non Diffused	30	60	90	625	633	640	1.8	2.1	2.4	140	450	10
598-8011-107F	● Red			100	230	530	625	633	640	1.8	2.1	2.4			
598-8020-107F	● Red-Orange			120	225	330	620	625	630	1.8	2.1	2.4			
598-8030-107F	● Orange			70	120	200	600	605	610	1.8	2.1	2.4			
598-8040-107F	● Yellow			120	160	200	590	592	595	1.8	2.1	2.4			
598-8041-107F	● Yellow			350	530	650	585	590	595	1.8	2.2	2.4			
598-8050-107F	● Yellow			90	120	200	585	587	590	1.8	2.1	2.4			
598-8060-107F	● Yellow-Green			43	62	80	570	572	575	1.8	2.1	2.4			
598-8070-107F	● Green			12	28	43	562	566	570	1.8	2.1	2.4			
598-8081-107F	● Green	InGaN		260	580	900	517	525	530	2.8	3.1	3.4			
598-8091-107F	● Blue			90	150	260	465	470	475	2.8	3.2	3.5			

Absolute Maximum Ratings @ Ts=25 °C

Power Dissipation (mW)	72	102 ● 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	

