



Certifications & Ratings

- RoHS compliant

Features & Benefits

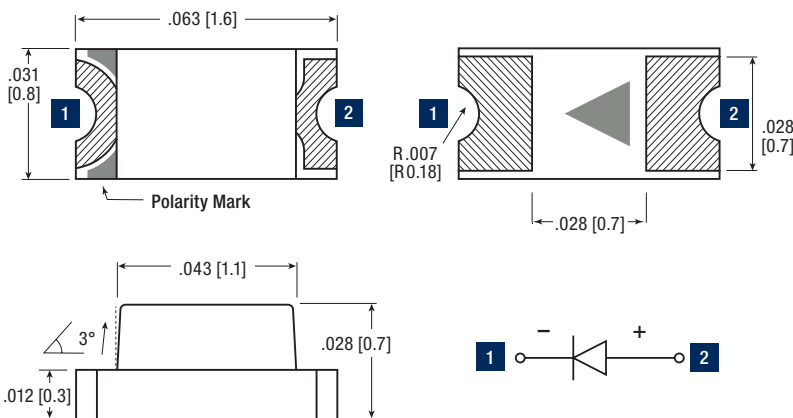
- Compatible with automatic placement equipment
- Packaged in 8 mm tape, 7" reel (4000 pcs/reel) and 20 per strip
- Meets EIA-481-1 pkg. std.

Dimensions

inches [mm]

Tolerance ± 0.2 mm unless otherwise noted

Package

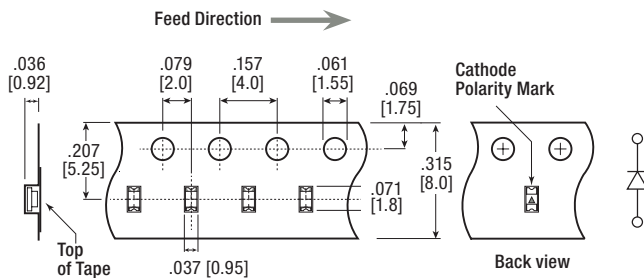


Part Number Guide

Part Number										RoHS Compliant	
5	9	9	-	0	0	X	X	-	0	0	X
Color										Packaging Option	
Red	1	0									2 20 piece tape
Red-Orange	2	0									7 7" reel 4000 pcs/reel
Orange	3	0									
Yellow	4	0									
Yellow-Green	6	0									
Green	8	1									
Blue	9	1									

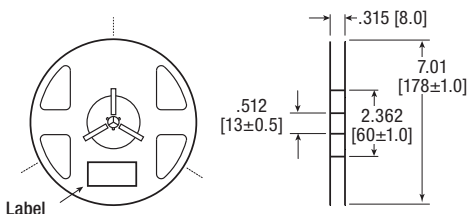
Tape

Tolerance ± 0.1 mm unless otherwise noted

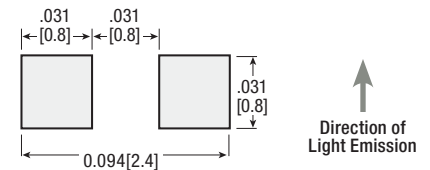


Reel

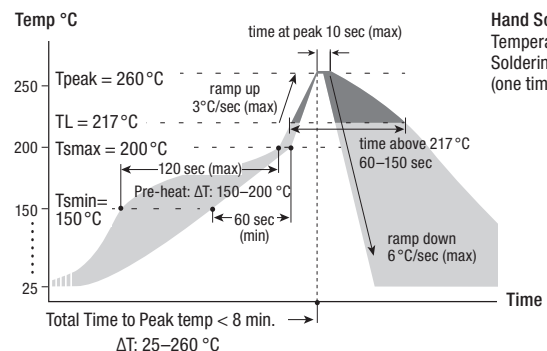
Tolerance ± 0.1 mm unless otherwise noted



Soldering



Reflow Profile



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
20-Piece Tape	7" Reel, 4000 pcs				Min	Typ	Min	Typ	Max	Typ	Max			
599-0010-002F	599-0010-007F	● Red	AlInGaP	Non Diffused	23	45	625	633	640	2.1	2.5	140	450	10
599-0020-002F	599-0020-007F	● Red-Orange			90	169	620	625	630	2.1	2.5			
599-0030-002F	599-0030-007F	● Orange			53	90	600	605	610	2.1	2.5			
599-0040-002F	599-0040-007F	● Yellow			68	105	585	590	595	2.1	2.5			
599-0060-002F	599-0060-007F	● Yellow-Green			9	43	562	569	575	2.1	2.5			
599-0081-002F	599-0081-007F	● Green	InGaN		195	340	517	525	530	3.1	3.5			
599-0091-002F	599-0091-007F	● Blue			68	105	465	470	475	3.2	3.6			

Absolute Maximum Ratings @ Ts=25°C

Power Dissipation (mW)	72	102 ● 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	

