

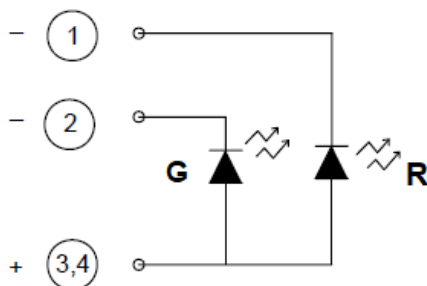
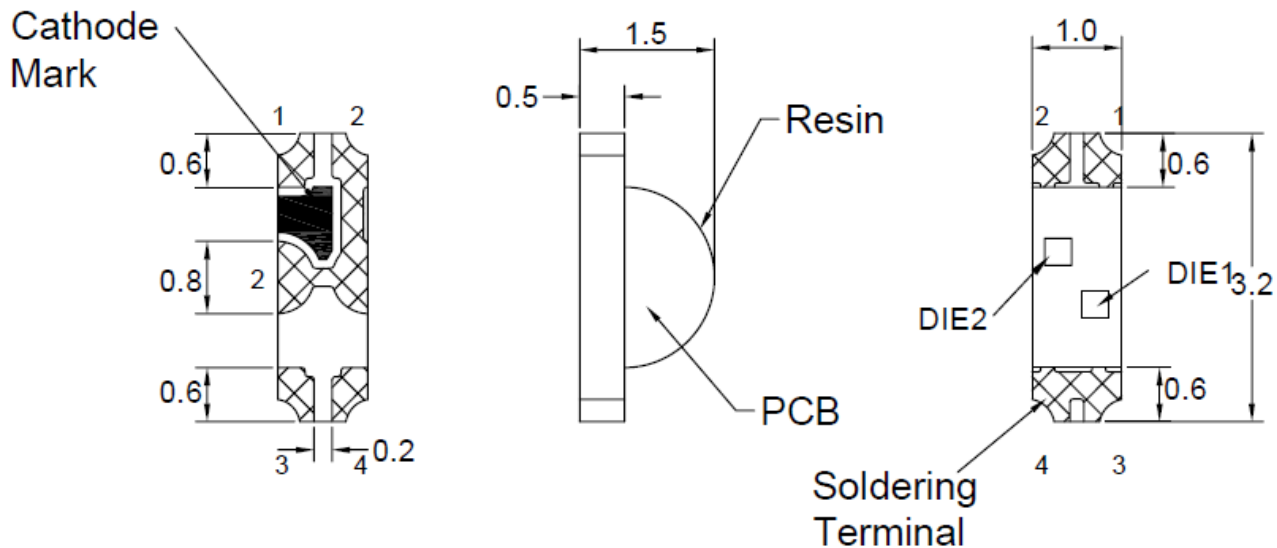
Part Number	Chip Material	Emitting Color	Lens Color
599-1Q70-232F 599-1Q70-237F	AlGaInP	Red	White Diffused
	AlGaInP	Green	

Features:

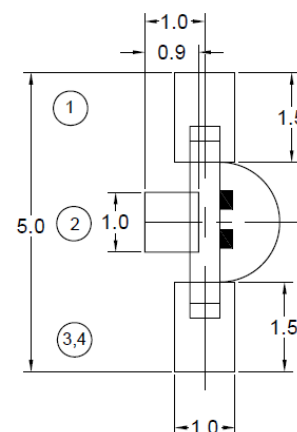
- RoHS Compliant
- Compatible with Reflow Solder Process
- Compatible with Automatic Placement Equipment

PRELIMINARY

Dimensions:



Recommended Solder Pad Layout



- All dimensions are in millimeters.
- Tolerance is ± 0.1 mm unless otherwise noted.

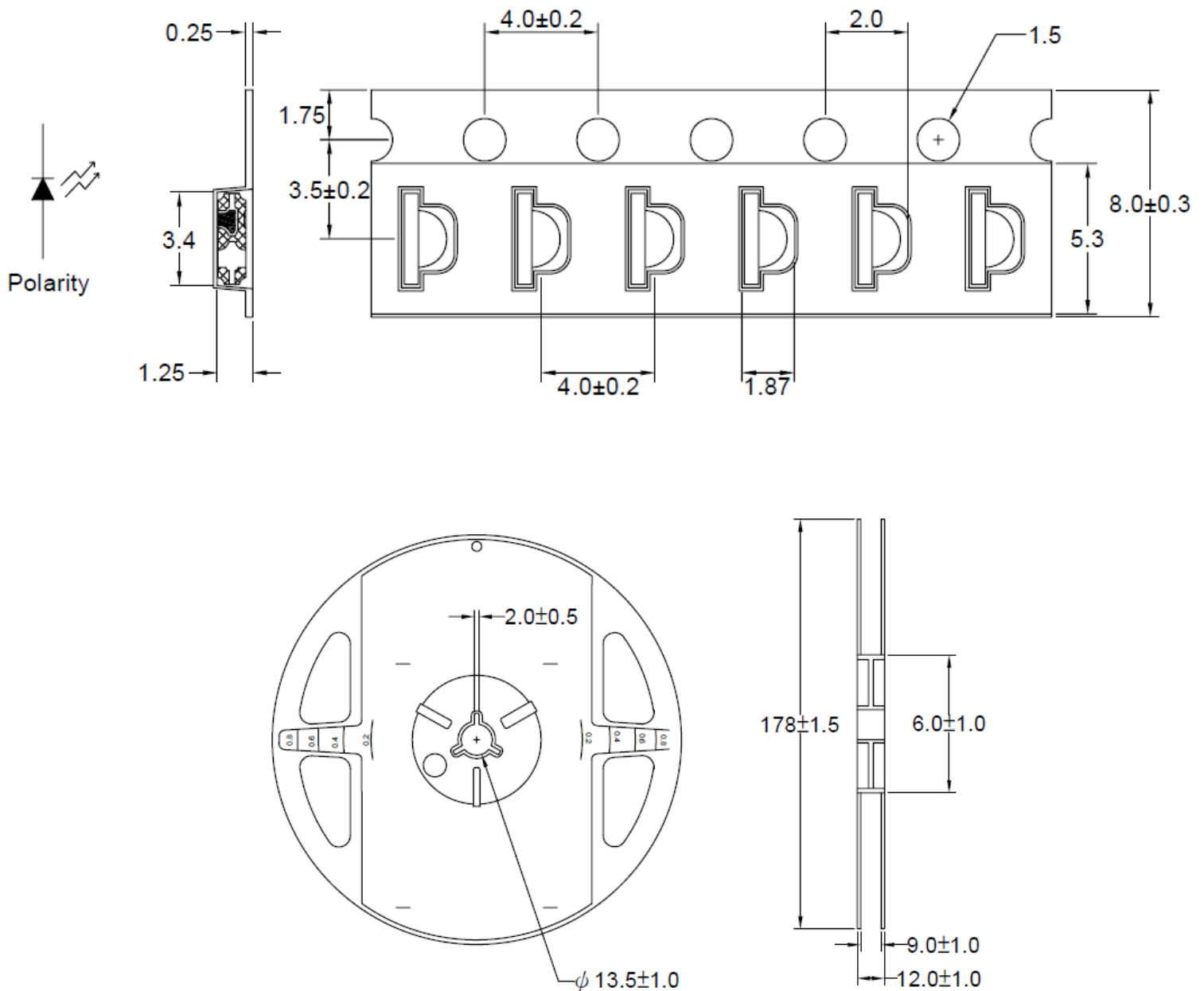
Absolute Maximum Rating @ Ta=25°C

Parameter	Maximum Rating			Unit
	Red	Green		
Peak Forward Current (Duty 1/10 @10KHz)	90	60		mA
Power Dissipation	60	65		mW
Forward Current	25	25		mA
Operating Temperature Range	-40°C to +85°C			
Storage Temperature Range	-40°C to +100°C			
IR Reflow Soldering Profile For Lead Free Soldering	260°C for 10 sec			

Electrical / Optical Characteristics @ Ta=25°C

Parameter	Symbol	Red			Green						Unit	Test Condition
		Min.	Typ.	Max.	Min.	Typ.	Max.	Min.	Typ.	Max.		
Luminous Intensity	IV	50	80		20	40					mcd	I _F =20mA
Viewing Angle	2θ 1/2		120			120					deg	I _F =20mA
Forward Voltage	V _F	1.5		2.4	1.7		2.6				V	I _F =20mA
Dominant Wavelength	λ _d		630			574					nm	I _F =20mA
Spectral Line Half-Width	Δλ		20			20					nm	I _F =20mA
Reverse Current	I _R			10			10				μA	V _R =5V

Tape and Reel Specifications



Note: Packaged 3000 pcs per reel on a 7" reel