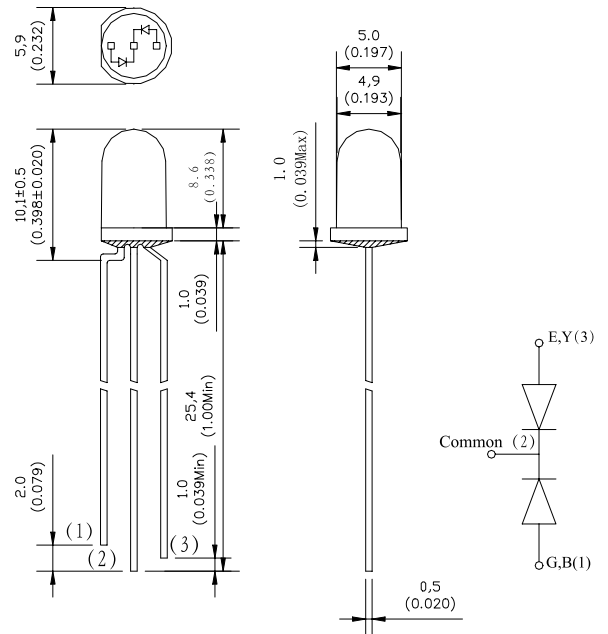


## GNL-5019xx (Φ5mm ROUND TYPE) Bi-color series

ABSOLUTE MAXIMUM RATING:(Ta=25°C)

Parameter			Unit
DC Forward Current	30		mA
Reverse Voltage	5		V
Reverse Current (Vr=5V)	10		μA
Peak Forward Current ,tw ,=1 msec Duty ,=1/20	150		mA
Operation Temperature	-40	+80	°C
Storage Temperature	-40	+100	°C
Solder Dip Temperature (5 seconds, 1.6mm from body )	300	±5	°C



Part Number	EMITTED COLOR		Mix Emitted Color	Lens Color	Peak Wave length (nm)	Vf (v) Typ.	IV (If=20mA) mcd		View Angle 2 θ 1/2
							Min.	Typ.	
GNL-5019EGW	GaAsp/Gap	Hi-Eff Red	Orange	White	635	2.0	8.0	20	60°
	Gap	Green		Diffused	565	2.1	5.0	15	
GNL-5019YGW	Gap	Green	Yellow-Green	White	565	2.1	5.0	15	60°
	GaAsp	Yellow		Diffused	585	2.1	5.0	15	
GNL-5019UEUBW	AlGaInP	Super Red	Purple	White	625	2.0	120	250	60°
	InGaN	Super Blue		Diffused	470	3.5	110	230	
GNL-5019UEUGW	AlGaInP	Super Red	Orange	White	625	2.0	120	250	60°
	AlGaInP	Super Green		Diffused	572	2.0	100	200	
GNL-5019EGC	GaAsp/Gap	Hi-Eff Red	Orange	Water Clear	635	2.0	20	50	30°
	Gap	Green			565	2.1	15	30	
GNL-5019YGC	Gap	Green	Yellow-Green	Water Clear	565	2.1	15	30	30°
	GaAsp	Yellow			585	2.1	15	30	
GNL-5019UEUGC	AlGaInP	Super Red	Orange	Water Clear	625	2.0	280	600	30°
	AlGaInP	Super Green			572	2.0	260	400	
GNL-5019UEUBC	AlGaInP	Super Red	Purple	Water Clear	625	2.0	280	600	30°
	InGaN	Super Blue			470	3.5	350	550	