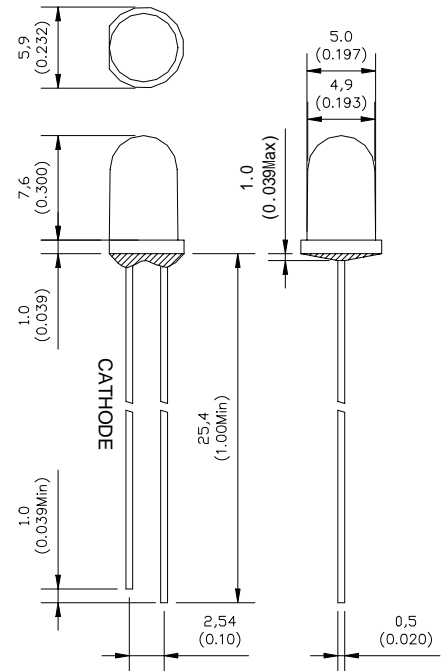


GNL-5013xx (5mm ROUND TYPE) Ultra Brightness

ABSOLUTE MAXIMUM RATING:(Ta=25)

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	
Storage Temperature	-40	+100	
Solder Dip (5 seconds,1.6mm from body) Temperature	300	± 5	



Part Number	EMITTED COLOR		Lens Color	Peak Wavelength (nm)	Vf (v) Typ.	IV (If=20mA) mcd		View Angle 2 1/2
						Min.	Typ.	
GNL-5013SRD	GaAlAs	Super Red	Red Diffused	660	1.9	50	100	60 °
GNL-5013SRT	GaAlAs	Super Red	Red Transparent	660	1.9	250	400	18 °
GNL-5013SRC	GaAlAs	Super Red	Water Clear	660	1.9	250	400	18 °
GNL-5013LRC	GaAlAs	Super Red	Water Clear	660	1.9	400	500	18 °
GNL-5013LRD	GaAlAs	Super Red	Red Diffused	660	1.9	100	150	60 °
GNL-5013URC	GaAlAs	Super Red	Water Clear	660	1.9	600	800	18 °
GNL-5013UEC	AlGaInP	Super Orange Red	Water Clear	625	2.0	1200	1500	18 °
GNL-5013GC	GaP	Green	Water Clear	565	2.0	40	50	18 °
GNL-5013UGC	AlGaInP	Yellow Green	Water Clear	572	2.0	600	800	18 °
GNL-5013YC	GaAsP	Yellow	Water Clear	588	2.0	40	50	18 °
GNL-5013UYC	AlGaInP	Super Yellow	Water Clear	590	2.0	1200	1500	18 °
GNL-5013BC	InGaN	Super Blue	Water Clear	470	3.5	1000	1500	18 °
GNL-5013UBC	InGaN	Ultra Super Blue	Water Clear	470	3.5	1500	2000	18 °
GNL-5013BGC	InGaN	Super Bluish Green	Water Clear	505	3.5	4000	5000	18 °
GNL-5013PGC	InGaN	Super Pure Green	Water Clear	525	3.5	5000	7000	18 °
GNL-5013VC	InGaN	Super Violet	Water Clear	400	3.5	50	90	18 °
GNL-5013UEC-1	AlGaInP	Super Orange Red	Water Clear	625	2.0	1000	1200	18 °
GNL-5013UYC-1	AlGaInP	Super Yellow	Water Clear	590	2.0	1000	1200	18 °
GNL-5013PGC-1	InGaN	Super Pure Green	Water Clear	525	3.5	4000	5000	18 °