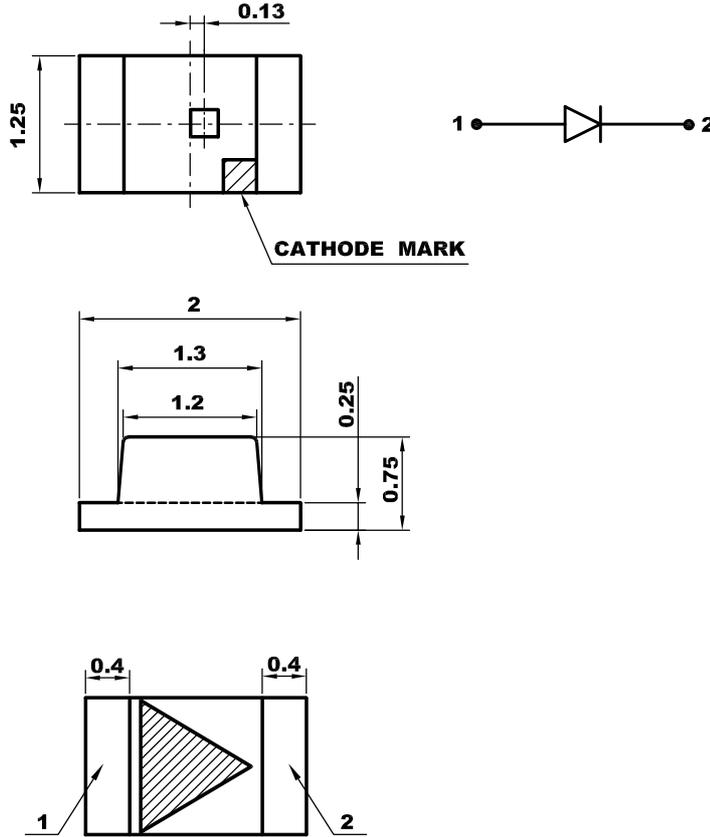


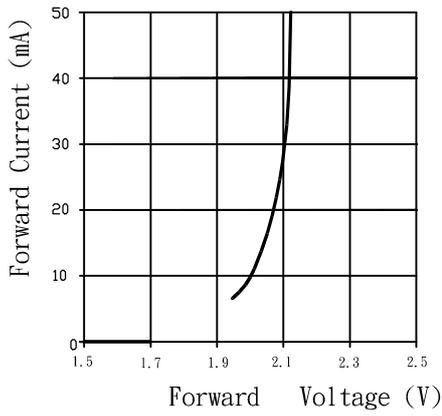
UNIT:MM
TOLERANCE:± 0.15



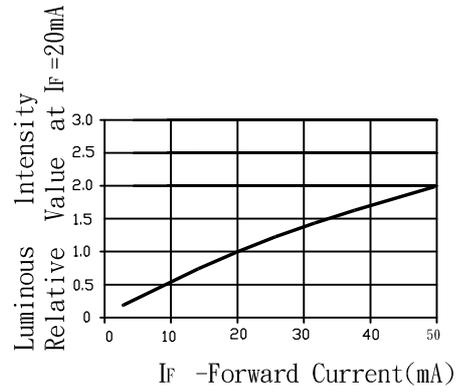
Part No.	Emitting Color	Material	Lens Type	I _v (I _F = 20mA)		Viewing Angle 2 θ 1/2
				MIN (mcd)	TYP (mcd)	
0805-FLWC-QGC	Super brightness green	AlGaInP	Water Clear	30	70	120°

Absolute maximum ratings (TA=25°C)		QG Green (AlGaInP)	Unit
Reverse voltage	V _R	5	V
Forward current	I _F	30	mA
Forward current(Peak) 1/10 Duty Cycle,0.1ms Pulse Width	I _{FP}	100	mA
Power dissipation	P _d	50	mW
LED LAMPS:			
Operating temperature	T _{OP}	-40~+85	°C
Storage temperature	T _{ST}	-40~+85	°C
LED DISPLAYS:			
Operating temperature	T _A	-40~+85	°C
Storage temperature	T _{STG}	-40~+85	°C

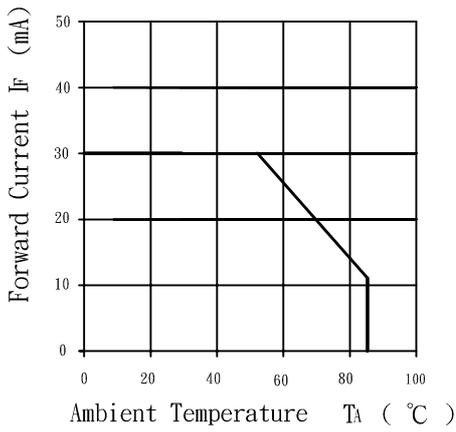
Operating characteristics (TA=25°C)		QG Green (AlGaInP)	Unit
Forward voltage(typ.) I _F =20mA	V _F	2.2	V
Forward voltage(max.) I _F =20mA	V _F	2.6	V
Reverse current(max.) V _R =5V	I _R	10	uA
Wavelength at dominant emission(typ.) I _F =20mA	λ _D	575	nm
Wavelength at peak emission(typ.) I _F =20mA	λ _P	574	nm
Spectral line half-width I _F =20mA	Δλ	25	nm
Capacitance V _F =0V ,f =1MHz	C	20	pF



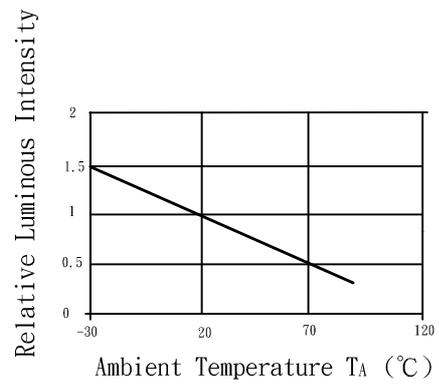
Forward Current Vs.
Forward Voltage



Luminous Intensity Vs.
Forward Current



Forward Current
Derating Curve



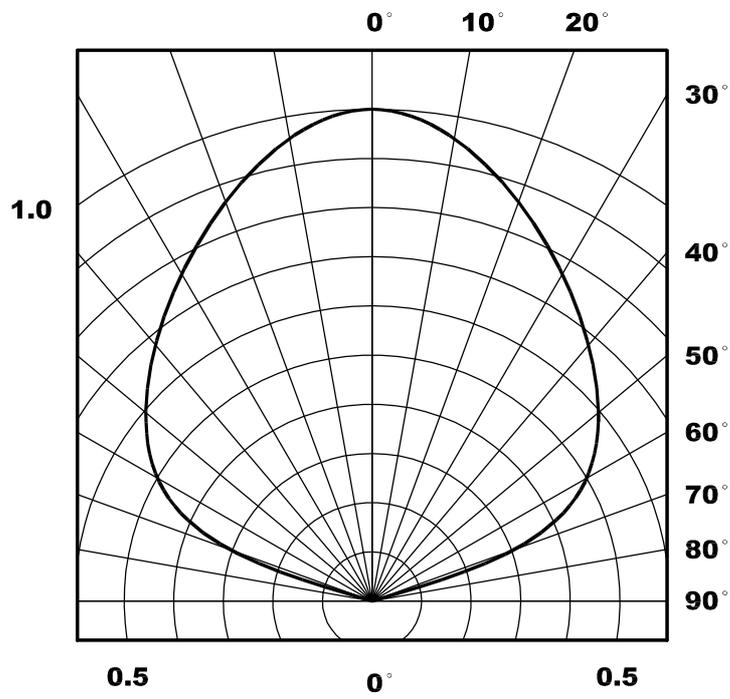
Luminous Intensity Vs.
Ambient Temperature



SMD LED

EVER-LED

120°

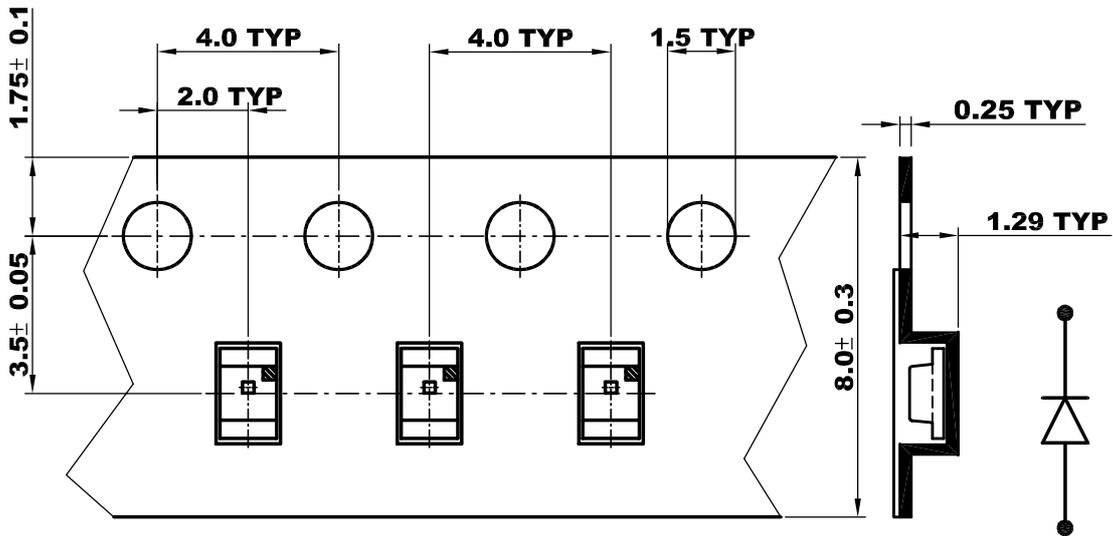


View Angle $2\theta_{1/2}=120^\circ$

UNIT:MM
TOLERANCE:± 0.25

TYPE

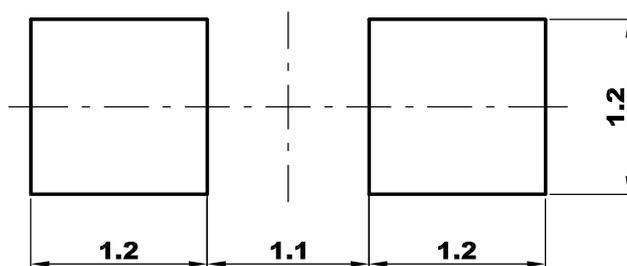
PACKAGE:2000 OR 1000PCS/REEL
REEL" T":14mmTYP



UNIT:MM

The following soldering patterns are recommended for reflow-soldering:

For reflow soldering



REEL SPECIFICATIONS

UNIT:MM

TOLERANCE:± 0.25

