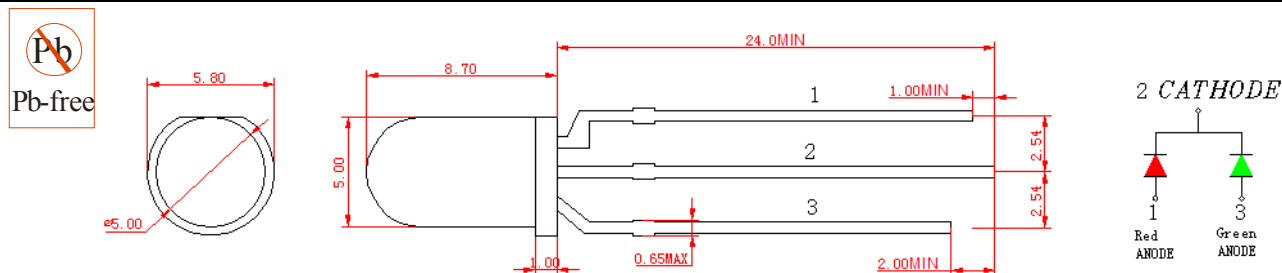


QLMP4082

5 mm Round Type LEDs Series

BULK & PACKING DIMENSIONS



Selection Guide

Part No.	Chip:		Lens Color	Iv(mcd)(If=20mA)			Viewing Angle (20½)
	Raw Material	Emitted Color		MIN	TYP	MAX	
QLMP4082	GaAsP	Normal Red	Milky		30	-	30°
	AlGaInP	Yellow Green			20	-	30°

Absolute Maximum Ratings(Ta=25C°)

Item	Symbol		Maximum	Unit
Power Dissipation	P _D	R	65	mW
		G	65	
Peak Forward Current (1/10 Duty Cycle 0.1ms Pulse Width)	I _{FP}	R	90	mA
		G	140	
Continuous Forward Current	I _{Fmax}		25	mA
Reverse Voltage	V _R		5	V
Capacitance	C	R	15	pF
		G	15	
Operating / Storage Temperature Range	T _{opr} / T _{stg}		-40°C to +85°C	
Lead Solder Temperature	T _{sol}		260°C for 3 seconds	

Electrical / Optical Characteristics(Ta=25C°)

Item	Symbol	Min.		Typ.		Max.		Unit	Condition
		R	G	R	G	R	G		
Peak Wavelength	λp	-		700	568	-		nm	IF=20mA
Dominant Wavelength	λd	640	565	648	572	660	575	nm	IF=20mA
Forward Voltage	VF	1.8	1.8	2.0	2.20	2.60	2.60	V	IF=20mA
Reverse Current	IR	-	-	-	-	10	10	uA	VR=5V

NOTES:

1. All dimensions are in millimeter(inch);
2. Tolerance is ±0.25mm(0.01") especially other specified; Luminous intensity tolerance is ±10%;
3. Dominant Emission Wavelength tolerance is ±5%; Specifications are subject to change without notice.