



SPECIFICATION FOR APPROVAL

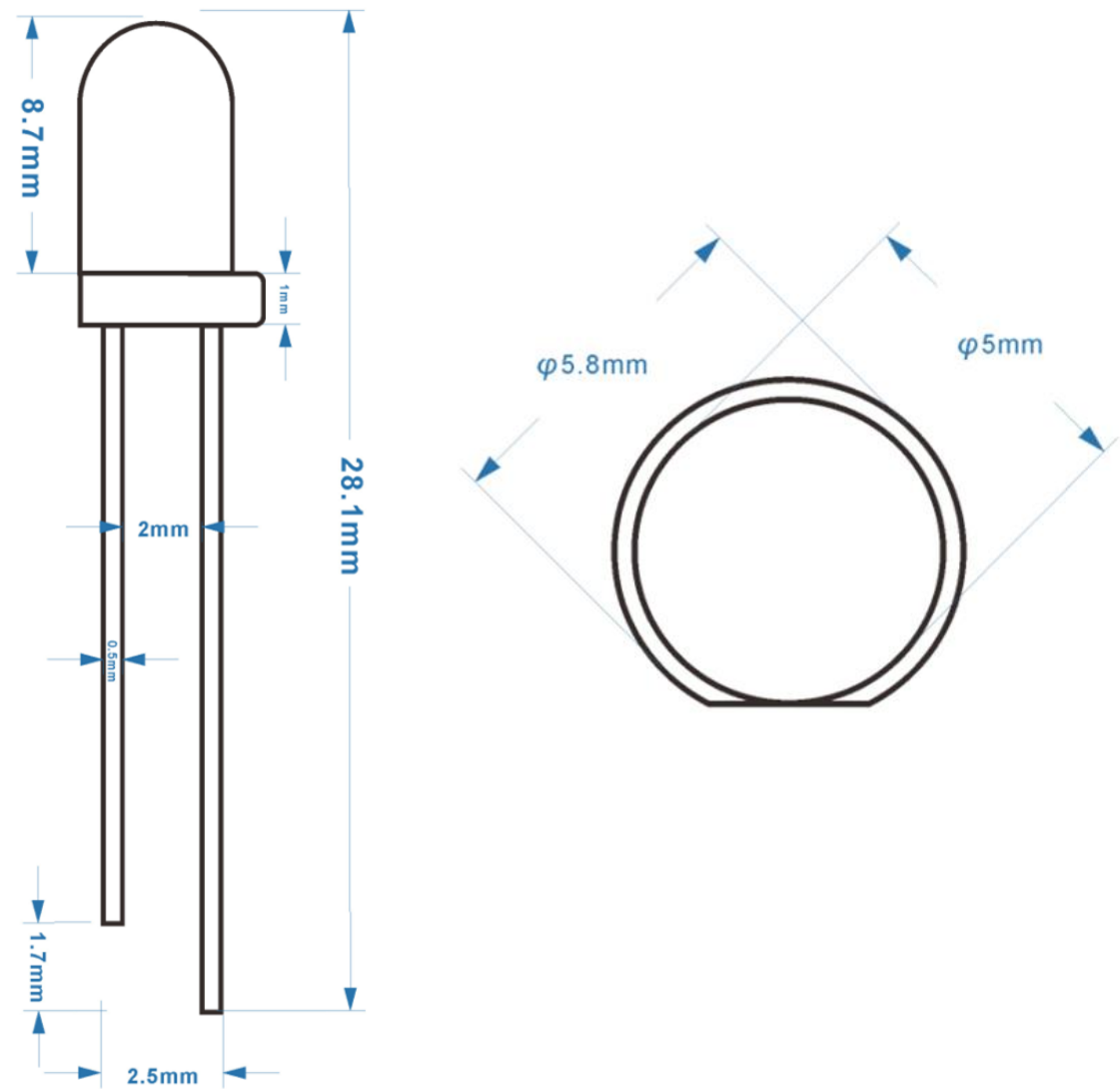
Part Name

(5MM Round Red Clear Transparent)

Product Characteristics:

- Ultra Bright Brightness
- 5mm Round
- General Purpose Lead
- Highly Reliable

Shape and Size:



CHIP		Colloid	
Material	GaP	Material	Epoxy resin
Color	Red	Color	<u>Clear Transparent</u>

Absolute Maximum Ratings (Ta=25℃)

Parameter	Symbol	Value	Unit
Max Power Dissipation	P_M	80	mW
Max Continuous Forward Current	I_{FM}	20	mA
Max Reverse Voltage	V_{RM}	5	V
Peak Forward Current	I_{FP}	75	mA
Lead Soldering Temperature/Time	T_{SOL}	240/≤3S	℃/S
Operating Temperature Range	T_{OPR}	-25~+85	℃
Storage Temperature Range	T_{STR}	-30~+100	℃

Initial Electrical Optical Characteristics

Parameter		Symbol	Min.	Typ.	Max.	Unit	Condition
Luminous Intensity		I_v	1000	—	3000	mcd	$I_F=20mA$
Viewing Angle		2θ1/2	/	30	/	deg	$I_F=20mA$
Dominant Wave Length		λ_d	625	—	630	nm	$I_F=20mA$
Spectral Width at half height		$\Delta\lambda$	/	30	/	nm	$I_F=20mA$
Forward Voltage		V_F	2.0	2.2	2.4	V	$I_F=20mA$
Reverse Current		I_R	/	/	≤20	μA	$V_R=5V$

Aging experiments show that: the LED under normal operating conditions: $I_F = 20mA$, $V_F = 2.5 V$, the service life of 2 - 3 million hours.

Note: According to anti-static welding operation (ground wire, wear static ring, wear cotton finger sets)