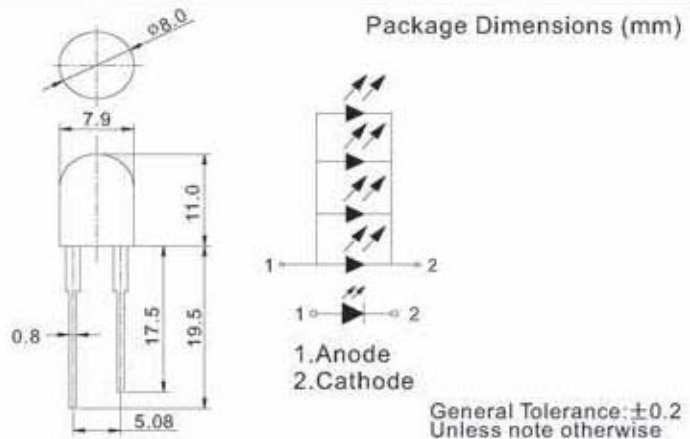


**φ8mm Round Dip LED Power Lamp**


Part Number	Chip Material	Emitted Color	Lens Type	Forward Voltage VF(V)		Dominant Wavelength (nm)		Luminous Flux (lm)		Reverse Current I <sub>r</sub> (μA) ATV <sub>r</sub> =5V	Viewing Angle 2θ 1/2 (°)
				Working Current: I <sub>f</sub> =150mA							
				Min	Max	Min	Max	Min	Max		
RL80-UR543-P	AlGaInP	Super Red	Water Clear	1.7	2.8	620	630	4	8	<30	55/90
RL80-UY543-P	AlGaInP	Super Yellow	Water Clear	1.7	2.8	585	595	6	10	<30	55/90
RL80-GH744D-P	InGaN	Pure Green	Water Clear	3.0	3.8	515	525	7	11	<30	55/90
RL80-CB744D-P	InGaN	Blue	Water Clear	3.0	3.8	465	475	3	5	<30	55/90
RL80-WH744D-P	InGaN	White	Water Clear	3.0	3.8	--	--	11	15	<30	55/90

**Absolute Maximum Ratings at Ta=25°C**

Item	Symbol	Absolute Maximum Rating	Unit
Forward Current	IF	150	mA
Reverse Current	IR	≤30	mA
Peak Forward Current*	IFP	150	mA
Reverse Voltage	VR	5	V
Power Dissipation	PD	500	mW
Electrostatic discharge	ESD	400	V
Operation Temperature	Topr	-25~+80	°C
Storage Temperature	Tstg	-40~+80	°C
Lead Soldering Temperature*	Tsol	Max. 230°C for 5sec Max.	

\*IFP Conditions: Pulse Width ≤ 10msec duty ≤ 1/10

\*Tsol Conditions: 3mm from the base of the epoxy bulb

**FEATURES:**

- ◆ Low power consumption
- ◆ Wide viewing angle
- ◆ Ideal for backlight and indicator
- ◆ Various colors and lens types available
- ◆ Package: BULK-----200PCS/bag

Note: 1. Absolute maximum ratings Ta=25°C.

2. Tolerance of measurement of forward voltage ±0.1V.

3. Tolerance of measurement of peak Wavelength ±2.0nm.

4. Tolerance of measurement of luminous intensity ±15%.

Typical Electrical / Optical Characteristics Curves  
 25°C Ambient Temperature Unless Otherwise Noted)

