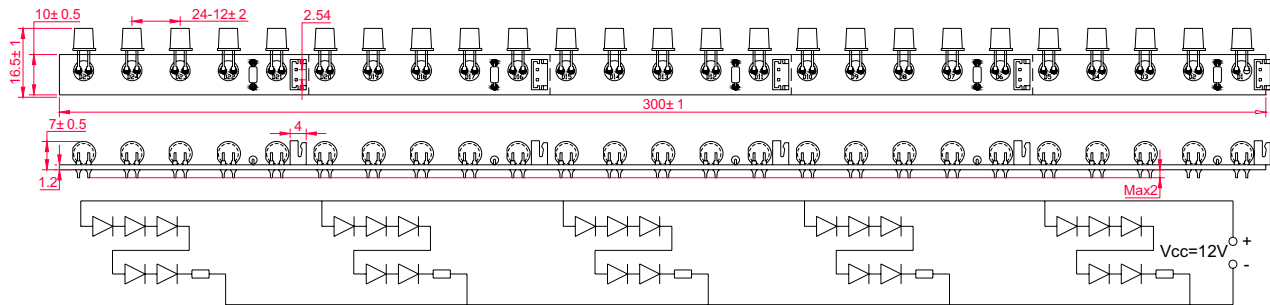


● **Features:**

1. Emitted color :Super red
2. Lens Appearance : Water Clear
- 3.for indoor and outdoor application.
4. Low power consumption.
5. Water and dust proof.

● **Package dimensions**



Notes:

1. All dimensions are in millimeters.
2. Tolerance is $\pm 0.3\text{mm}$ unless otherwise specified.
3. Lead spacing is measured where the leads emerge from the package.
4. Specifications are subject to change without notice.



● **Absolute maximum ratings(Ta=25°C)**

Parameter	Symbol	Rating	Unit
Power Dissipation	Pd	2	W
Vcc	Vcc	13	V
Peak Forward Current* ¹	I _{FP}	300	mA
Reverse Voltage	V _R	10	V
Operating Temperature	Topr	-25°C ~60°C	
Storage Temperature	Tstg	-30°C ~85°C	

*¹ Condition for I_{FP} is pulse of 1/10 duty and 0.1msec width.

● **Electrical and optical characteristics(Ta=25°C)**

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Forward Current	I_F	V _{CC} =12V	80.....		160	mA
Luminous Flux		V _{CC} =12V	17000.....		25000	mlm
Reverse Current	I_R	V _R =10V	-	-	500	μA
Peak Wavelength	λ_p	V _{CC} =12V	-	632	-	nm
Dominant Wavelength	λ_d	V _{CC} =12V	620.....		630	nm
Spectral Line Half-width	$\Delta \lambda$	V _{CC} =12V	-	15	-	nm
Viewing Angle	$\theta_{1/2}$	V _{CC} =12V	80.....		100	deg