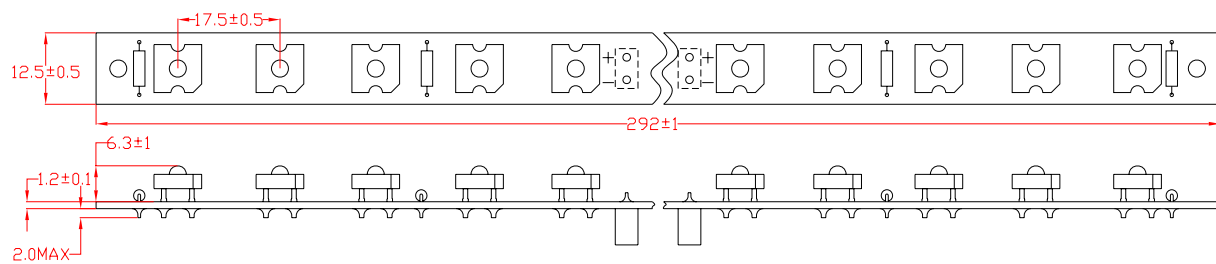


● **Features:**

1. Emitted color : Red
2. Lens Appearance : Water Clear
3. Indoor and outdoor application.
4. Low power consumption.
5. Wet and dust proof.

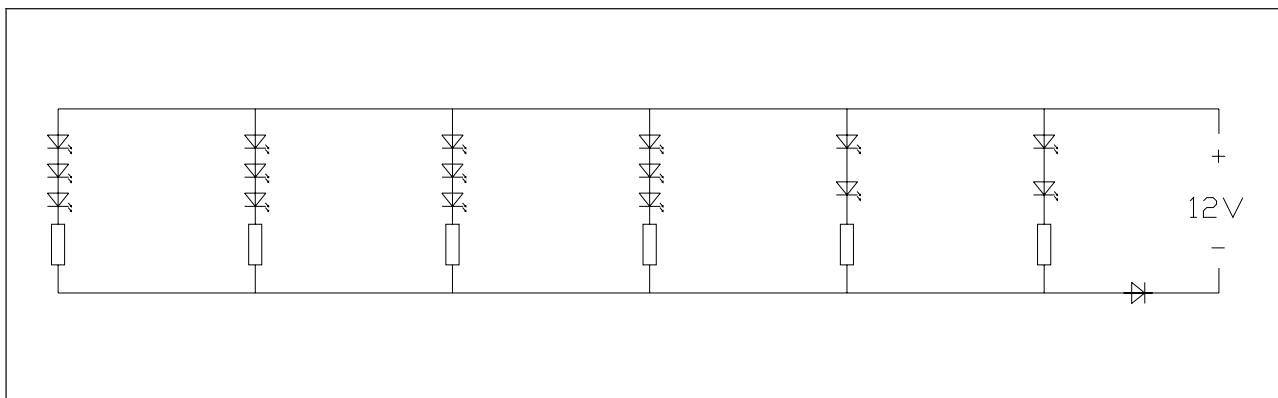
● **Package dimensions**



Notes:

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

● **Circuit Diagram**



● **Applications:**

1. Customer design.

● Absolute maximum ratings(Ta=25℃)

| Parameter | Symbol | Rating | Unit |
|------------------------------------|-----------------|----------|------|
| Power Dissipation | Pd | 2.6 | W |
| Vcc | Vcc | 13 | V |
| Peak Forward Current* ¹ | I _{FP} | 400 | mA |
| Reverse Voltage | V _R | 10 | V |
| Operating Temperature | Topr | -25℃~60℃ | |
| Storage Temperature | Tstg | -30℃~85℃ | |

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

● Electrical and optical characteristics(Ta=25℃)

| Parameter | Symbol | Condition | Min. | Typ. | Max. | Unit |
|--------------------|------------------|---------------------|---------|-------|------|------|
| Forward Current | I _F | Vcc=12V | 160 | 180 | 200 | mA |
| Luminous Intensity | I _v | Vcc=12V | 35 | | 55 | lm |
| Reverse Current | I _R | V _R =10V | - | - | 180 | μA |
| Color Rank | | Vcc=12V | 519~529 | | | nm |
| Viewing Angle | θ _{1/2} | Vcc=12V | 35 | ----- | 40 | deg |