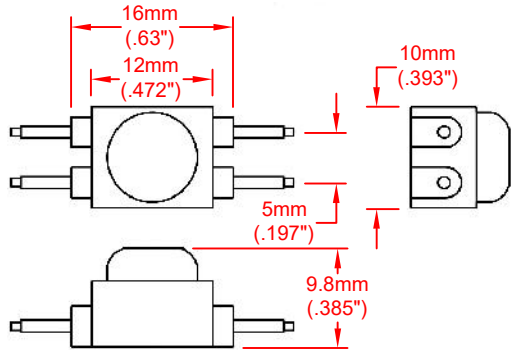


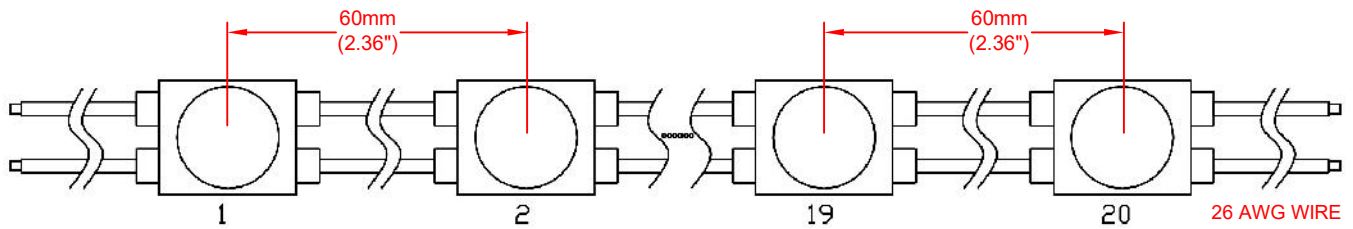
# WATER RESISTANT SINGLE LED MINI MODULE

## FEATURES

- VOLTAGE: 12V DC
- CURRENT: 30mA PER MODULE
- WATTAGE: .36W PER MODULE
- LED VIEWING ANGLE : 160°
- WATER RESISTANCE: IP67
- PACKAGE: 20 PIECES PER STRAND
- MOUNTING: ADHESIVE BACKING



MAXIMUM MODULES IN SERIES: 40 MODULES



### Absolute Maximum Rating at TA = 25°C

| Parameter               | Symbol | Absolute Maximum Rating | Unit |
|-------------------------|--------|-------------------------|------|
| Forward Current         | IF     | 30                      | mA   |
| Power Dissipation       | PD     | 0.36                    | W    |
| Electrostatic Discharge | ESD    | 600                     | V    |
| Operating Temperature   | Topr   | -25~+50                 | °C   |
| Storage Temperature     | Tstg   | -25~+70                 | °C   |

### Electrical/Optical Characteristics at TA = 25°C

| Parameter                 | Typical | Unit |
|---------------------------|---------|------|
| Forward Voltage DC        | 12      | VF   |
| Color Temperature         | 6000    | K    |
| Luminous Flux Per Module  | 33      | lm   |
| Recommend Forward Current | 30      | mA   |

### ATTENTION



OBSERVE PRECAUTION FOR HANDLING ELECTROSTATIC DISCHARGE SENSITIVE DEVICES

JKL PART NO.: ZM-1610-CW

|                            |  |                            |                        |  |           |              |
|----------------------------|--|----------------------------|------------------------|--|-----------|--------------|
| <br>THIRD ANGLE PROJECTION | DIMENSIONS ARE IN mm & (INCHES)<br>TOLERANCE UNLESS OTHERWISE SPECIFIED<br>1 PL +/- REF.<br>2 PL +/- ANGLE +/- | JKL COMPONENTS CORPORATION |                        |  |           |              |
|                            | DRAWN BY: L. WENGSTROM<br>APP'D BY: S.C.<br>DATE: 7/30/18  |                            |                        | TITLE: WIDE VIEW MINI CHANNEL LED, COOL WHITE<br>SIZE: A<br>FSCM NO.: 55335<br>DRAWING NO.: ZM-1610-CW |           |              |
| RELEASE: 7/28/18           | - CAD DRAWING -<br>MANUAL REVISIONS NOT PERMITTED  | SCALE: NONE                | RELEASED DATE: 7/28/18 | REVISION DATE:   | REV. NO.: | SHEET 1 OF 1 |