

## FEATURES

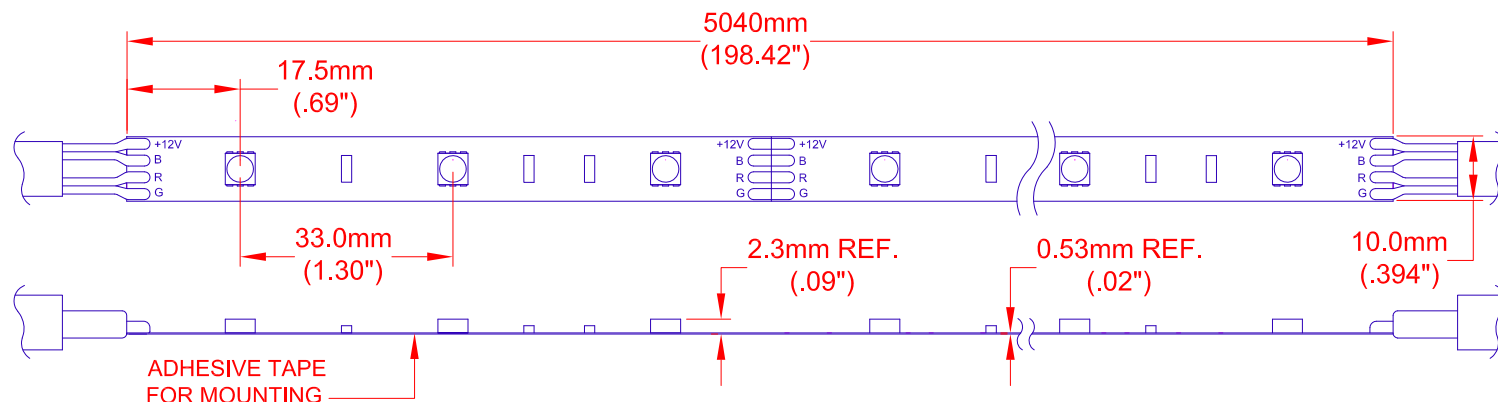
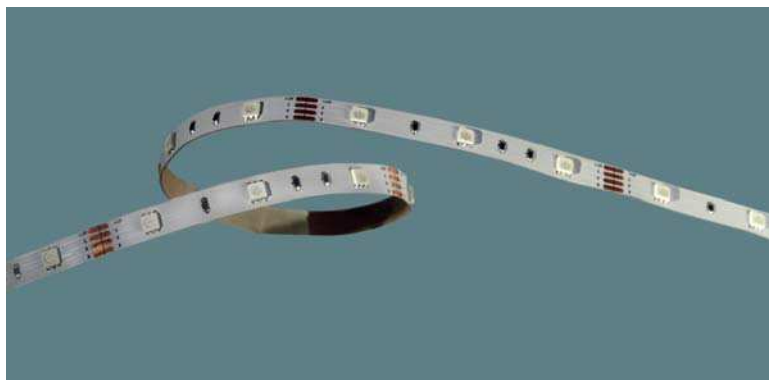
VOLTAGE: 12V DC  
CURRENT: 3A  
LED VIEWING ANGLE (2  $\theta$  1/2): 100°

**STANDARD PACKAGING:**  
5 METER REEL (150 LED'S)

**OPTIONAL PACKAGING:**  
INDIVIDUAL 504mm SECTIONS (15 LED'S)  
ORDER AS ZFS-10504-RGB/SEC

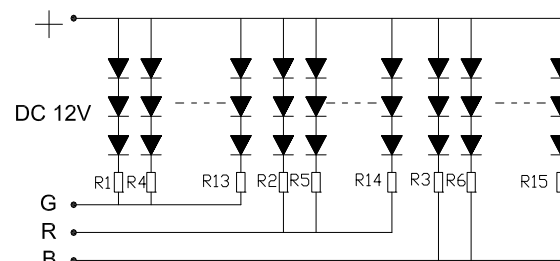
Note: Individual Sections ARE NOT supplied  
with insulated wire connections.

## 10mm X 5040mm RGB LIGHT RIBBON



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

| Parameter                 | Symbol  | Color | Condition | Min | Typ | Max | Unit |
|---------------------------|---------|-------|-----------|-----|-----|-----|------|
| Forward Voltage DC        | VF      | RGB   | IF = 3A   | --  | 12  | --  | V    |
| Dominant Wavelength       | λD      | R     | IF = 1A   | 621 | 624 | --  | nm   |
|                           |         | G     | IF = 1A   | 515 | 518 | --  |      |
|                           |         | B     | IF = 1A   | 469 | 471 | --  |      |
| Luminous Flux             | φV      | R     | IF = 1A   | --  | 95  | --  | lm   |
|                           |         | G     | IF = 1A   | --  | 330 | --  |      |
|                           |         | B     | IF = 1A   | --  | 95  | --  |      |
| Recommend Forward Current | IF(rec) | --    | --        | --  | 3   | --  | A    |

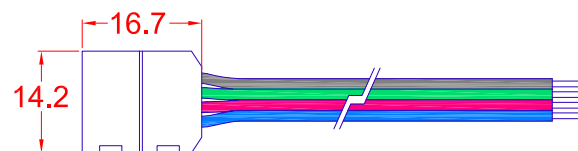


### Absolute Maximum Rating at TA = 25°C

| Parameter               | Symbol | Absolute Maximum Rating | Unit |
|-------------------------|--------|-------------------------|------|
| Forward Current         | IF     | 3                       | A    |
| Power Dissipation       | PD     | 36                      | W    |
| Electrostatic Discharge | ESD    | 400                     | V    |
| Operating Temperature   | Topr   | -25~+60                 | °C   |
| Storage Temperature     | Tstg   | -40~+80                 | °C   |

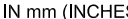
## Mating Component

## ZCH-145-RGB-I Input Connector Harness



**ATTENTION**  
**OBSERVE PRECAUTION**  
**FOR HANDLING ELECTROSTATIC**  
**DISCHARGE SENSITIVE DEVICES**

JKL PART NO.: ZFS-10504-RGB

|                             |                                       |             |                                                                                                                   |                          |                                                                                                                          |                  |                                                                                                                        |                                     |                          |                      |                 |
|-----------------------------|---------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------|----------------------|-----------------|
| DISCHARGE SENSITIVE DEVICES |                                       |             |  <b>METRIC</b>                 |                          |  <b>DIMENSIONS ARE IN mm (INCHES)</b> |                  |  <b>JKL COMPONENTS CORPORATION</b> |                                     |                          |                      |                 |
| F                           | ADD MATING COMPONENT                  | 5/20/13     |  <b>THIRD ANGLE PROJECTION</b> | DRAWN BY<br>L. WENGSTROM | APPV'D BY<br>L.R.                                                                                                        | DATE<br>5/20/13  | <b>TITLE</b><br><br>RGB LED FLEX STRIP                                                                                 |                                     |                          |                      |                 |
| E                           | CHNG. RATING UNIT CURRENT TO A (amps) | 1/23/13     |                                                                                                                   |                          |                                                                                                                          |                  |                                                                                                                        |                                     |                          |                      |                 |
| D                           | CHNG. WIRE COLOR CALLOUTS LOCATION    | 9/18/12     |                                                                                                                   |                          |                                                                                                                          |                  |                                                                                                                        |                                     |                          |                      |                 |
| C                           | CHNG. PART LINE DRAWING & PHOTO       | 3/27/12     |                                                                                                                   |                          |                                                                                                                          |                  |                                                                                                                        |                                     |                          |                      |                 |
| B                           | CHNG. FEATURES/ DRW TO 5 METER REEL   | 2/16/11     |                                                                                                                   |                          |                                                                                                                          |                  |                                                                                                                        |                                     |                          |                      |                 |
| A                           | CHANGE 2.00±0.05 TO 2.0 REF.          | 5/28/09     |                                                                                                                   |                          |                                                                                                                          | SIZE<br><b>A</b> | FSCM NO.<br><b>55335</b>                                                                                               | DRAWING NO.<br><b>ZFS-10504-RGB</b> |                          |                      |                 |
|                             | RELEASE & CANCEL PL-0802-06           | 5/12/09     |                                                                                                                   |                          |                                                                                                                          |                  |                                                                                                                        |                                     |                          |                      |                 |
| REV. NO.                    | DESCRIPTION/ECO NUMBER                | APPV'D DATE | <b>- CAD DRAWING -</b><br>MANUAL REVISIONS NOT PERMITTED                                                          |                          |                                                                                                                          |                  | SCALE<br><b>NONE</b>                                                                                                   | RELEASED DATE<br>5/12/09            | REVISION DATE<br>5/20/13 | REV. NO.<br><b>F</b> | SHEET<br>1 OF 1 |