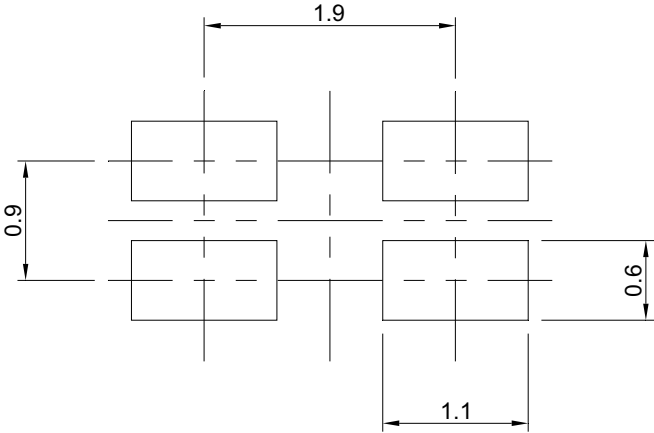
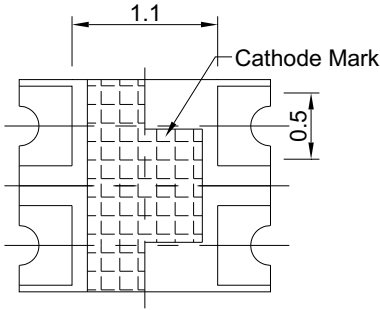
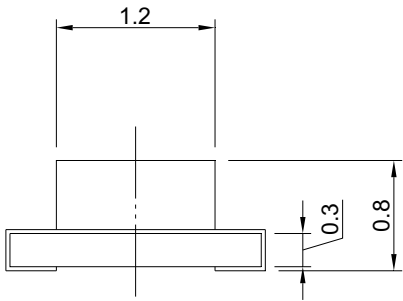


LED-VRGCR-08-LF
LEADFREE
RoHS Compliant

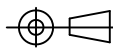


Recommended Soldering Pad

- Notes:**
- 1. All dimensions are millimeters.
 - 2. Tolerance is $\pm 0.2\text{mm}$ unless otherwise specified.
 - 3. Specifications are subject to change without notice.



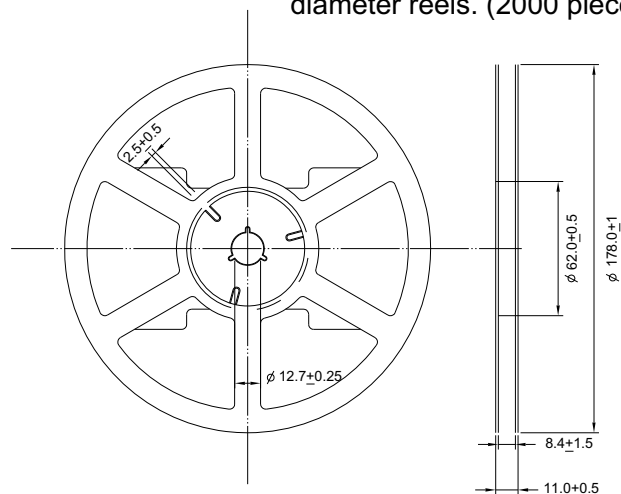
煜倫股份有限公司

| | | | | | | | | | |
|-----------------------|-----------|--|--|--------------|-----------|--|------|--|--|
| PART NO. LED-VRGCR-08 | | | | | | | | | |
| DWG NO. LED-VRGCR-08 | | CHECKED BY CY | TOLERANCES ARE X. ± .X ± .XX ± .XXX ± ANG | DESCRIPTION: | | | | | |
| FILE NO. | | DRAWING BY | | | | | | | |
| UNIT / mm | SCALE 1:1 | PROJECTION  | | AREA | REVISIONS | | DATE | | |

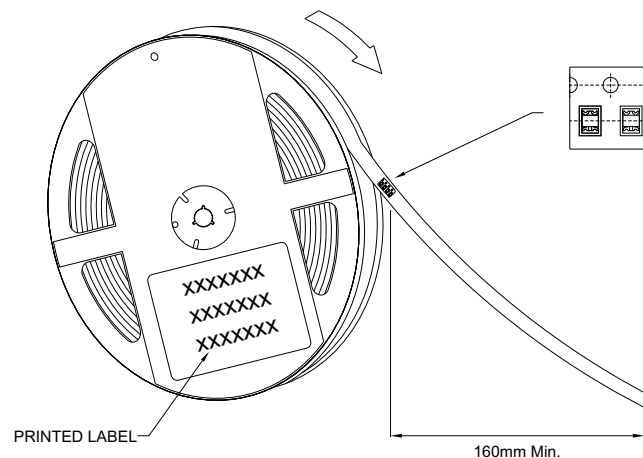
Reel Din

Note:

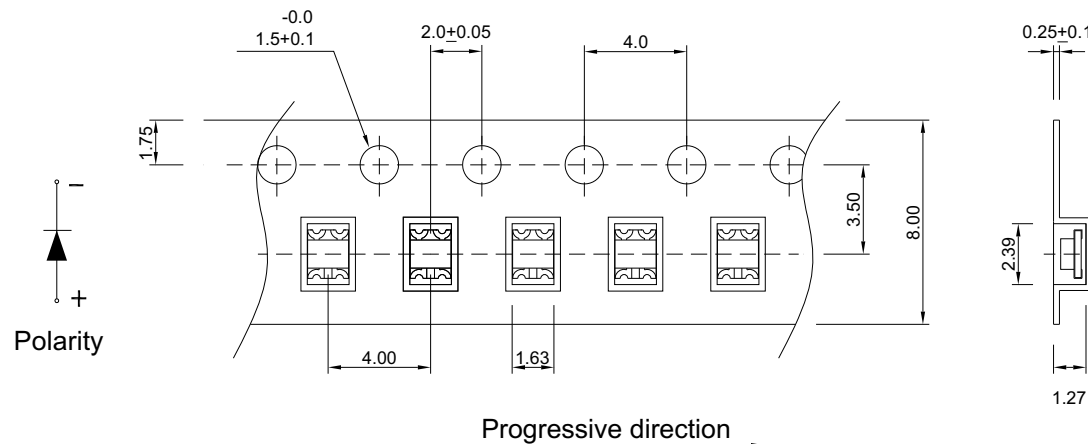
Available in 8mm carrier tape on 178mm diameter reels. (2000 pieces)



USER FEED DIRECTION



Tape Dimension:



Note:

A spacing of approximately 160mm between the front edge of tape

MORETHANALL
CONNECTORS
ASSEMBLIES

PART NO. LED-VRGCR-08

DWG NO. LED-VRGCR-08

FILE NO.

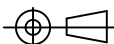
UNIT / mm

SCALE 1:1

CHECKED BY CY

DRAWING BY

PROJECTION



TOLERANCES ARE

X. ±
.X ±
.XX ±
.XXX ±
ANG

DESCRIPTION:

AREA

REVISIONS

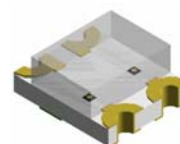
DATE

煜倫股份有限公司

SMT Package Bi-Color LED

Description

This is Bi-Color SMT LED series with dimension 1.9 mm (L) * 1.6 mm (W) * 0.8 mm (H). The unique of these LED are made from AlGaInP & InGaN material that provide high luminous intensity at low driving current. The lens design provides 120 degree viewing angle and suitable for backlighting purpose. The available colors are Blue/True-green, Yellow/Red or even Red/Blue. Any color combinations specified by customers can be accepted.





Applications

- Industrial control systems signal indicator
- Automotive features
- Front panel indicator
- Status indication



Electronic Optical Characteristics (at 5mA):

| Part Number | Emitted Color | λ (nm) | | Iv (mcd) | | VF(Volt) | | View Angle | Lens |
|-------------|--|----------------|-------------|----------|------|----------|------|------------|-------|
| | | λ_d | λ_p | Min | Typ. | Typ. | Max. | | |
| LED-VRGCR | True-green  | 525 | 518 | 45 | 65 | 2.9 | 3.4 | 120 | Clear |
| | Red  | 624 | 632 | 14.5 | 20 | 1.9 | 2.3 | | |

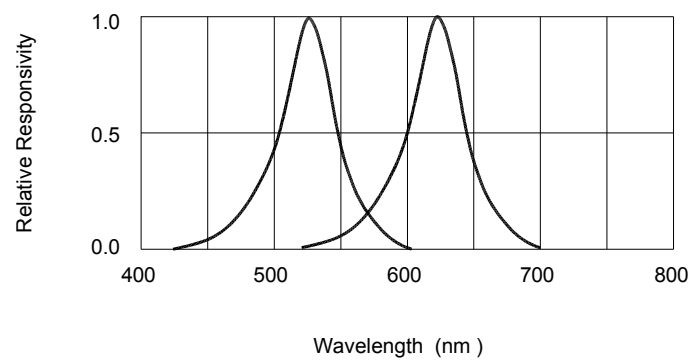
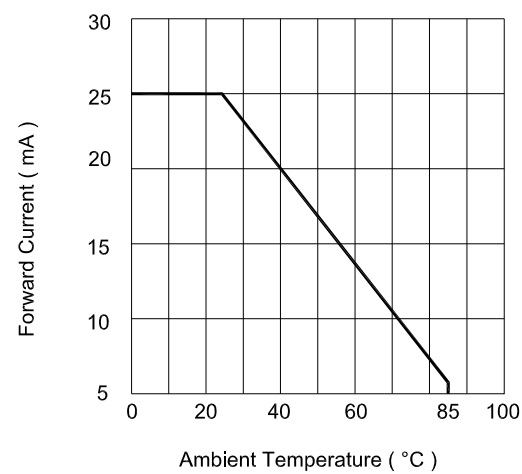
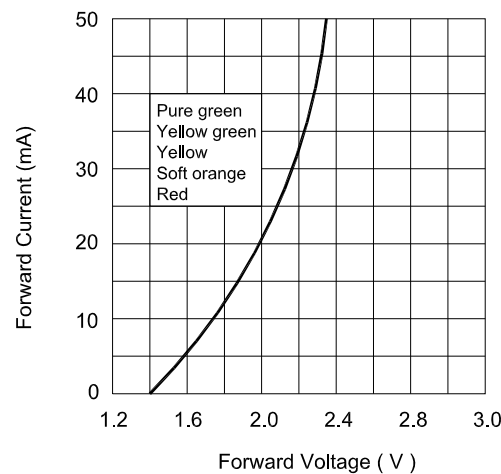
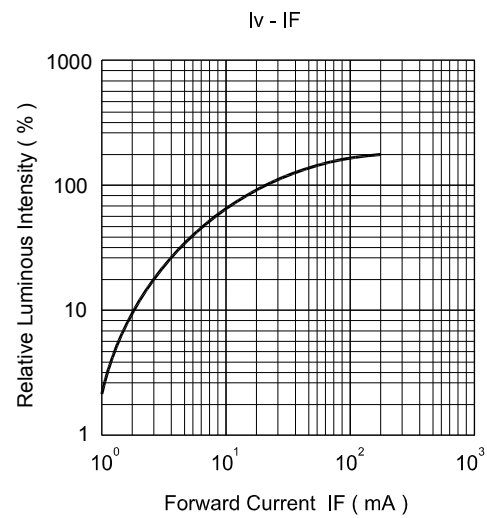
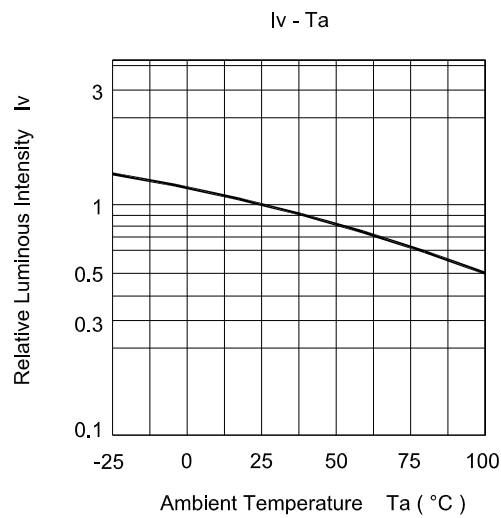
Absolute Maximum Ratings (at Ta=25°C)

| Emitted Color | P _D (mW) | I _F (mA) | I _{FP} (mA) | I _{R@VR=5V} | Topr(°C) | Tstg(°C) |
|---------------|---------------------|---------------------|----------------------|----------------------|----------|----------|
| True-green | 110 | 25 | 100* | 50 | -40~+85 | -40~+90 |
| Red | 60 | 25 | 60* | 10 | -40~+85 | -40~+90 |

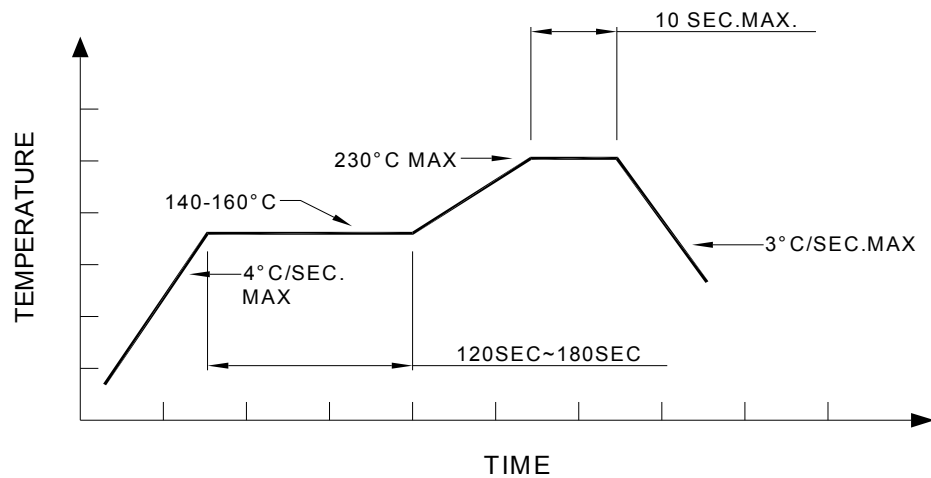
Note: Please take note the Absolute Maximum Rating values. Any operation beyond the specified ratings in this table will result degradation of LED life-span and may cause LED to fail.

* Peak forward current (duty 1/10 at 1KHz)

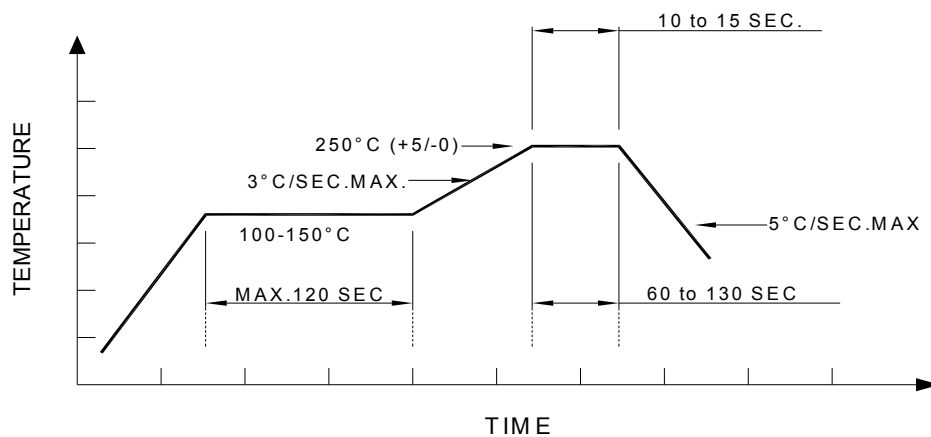
Optical Characteristics Curves



Recommended re-flow soldering profile:



Recommended Pb-free re-flow soldering profile:



Note:

All the specifications listed in this data sheet are suitable for general electronic equipment, office equipment and communication devices. Kindly consult Sales Representatives for specific reliabilities request, Forward Voltage, Luminous Intensity, Wavelength, Radiant Power or Viewing Angle.