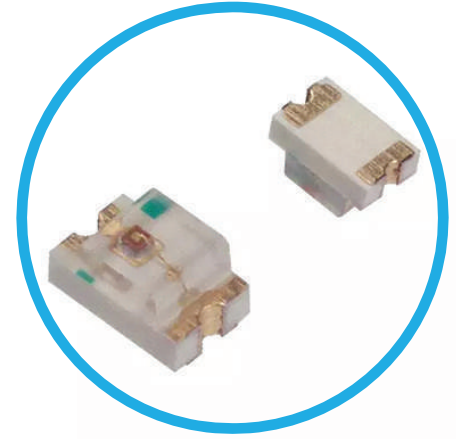




CMD17-21 Series SMT LEDs 0805 Package Size

Available in 7 colors: Green, Super Red, High Efficiency Red, Yellow, Super Yellow and Super Orange, with water-clear or diffused color lenses.



Descriptions and Features

Surface Mount Technology

- Tape and reel packaged for high-speed autoinsertion.
- Convection and vapor-phase reflow compatible.
- Compact form enables high density placement.
- Packaged 3000 pieces per reel.
- Lead Finish (Plating): Au
- Under Plating Material: NiCu

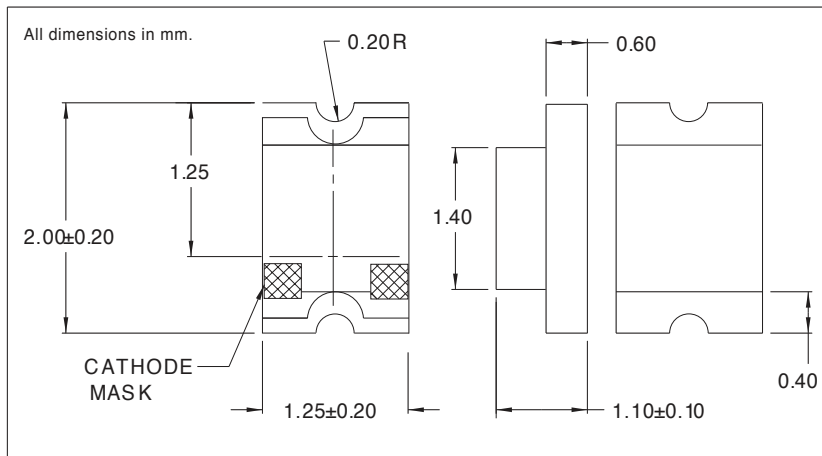
Leading Edge LED Optoelectronic Performance

- Consistent high brightness.
- Bi-color available.

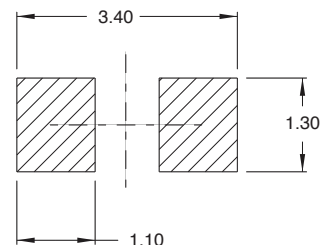
Exceptional Reliability

- Stringent process controls assure quality.
- Extensive qualification testing to meet strictest requirements.
- Designed to permit easy post-reflow solder joint inspection.

Dimensions



Solder Pad Geometry for
0805 Package Size



Electro-Optical Characteristics

| Part Number | Emitted Color | Lens Color | Luminous Intensity | | Forward Voltage | | Test Current (mA) | Peak Wavelength (nm) | View Angle (degrees) |
|------------------|---------------|-----------------|--------------------|------------|-----------------|----------|-------------------|----------------------|----------------------|
| | | | Min. (mcd) | Typ. (mcd) | Typ. (V) | Max. (V) | | | |
| CMD17-21SRC/TR8 | Super Red | Clear | 10.0 | 21.0 | 1.7 | 2.4 | 20 | 660 | 140 |
| CMD17-21VRC/TR8 | H.E.Red | Clear | 4.5 | 13.0 | 2.0 | 2.8 | 20 | 640 | 140 |
| CMD17-21VYC/TR8 | Yellow | Clear | 5.0 | 12.0 | 2.0 | 2.8 | 20 | 585 | 140 |
| CMD17-21VGC/TR8 | Green | Clear | 6.0 | 10.0 | 2.1 | 2.8 | 20 | 570 | 140 |
| CMD17-21UGC/TR8 | Green | Clear | 8.0 | 15.0 | 2.1 | 2.8 | 20 | 570 | 140 |
| CMD17-21VRD/TR8 | H.E.Red | Red Diffused | 3.0 | 6.0 | 2.0 | 2.8 | 20 | 640 | 140 |
| CMD17-21VYD/TR8 | Yellow | Yellow Diffused | 2.5 | 4.0 | 2.0 | 2.8 | 20 | 505 | 140 |
| CMD17-21VGD/TR8 | Green | Green Diffused | 4.0 | 7.0 | 2.1 | 2.8 | 20 | 570 | 140 |
| CMD17-21UYC/TR8 | Super Yellow | Clear | 41.0 | 61.0 | 2.1 | 2.8 | 20 | 590 | 140 |
| CMD17-21USOC/TR8 | Super Orange | Clear | 26 | 43.0 | 2.1 | 2.8 | 20 | 620 | 140 |

Absolute Maximum Ratings



| | Red | Yellow | Green | Units |
|--|-----------------|-----------------|-----------------|---------|
| Power Dissipation..... | 100..... | 105..... | 105..... | mW |
| Operating/Storage Temperature..... | -40 to +85..... | -40 to +85..... | -40 to +85..... | °C |
| Peak Forward Current (1 μ s @ 10% duty cycle)..... | 150..... | 150..... | 150..... | mA |
| Reverse Voltage (IR=100 μ A)..... | 5.0..... | 5.0..... | 5.0..... | V |
| Lead Solder Time @ 260°C..... | 5..... | 5..... | 5..... | seconds |
| Average Forward Current..... | 30..... | 30..... | 30..... | mA |

Compliances and Approvals



Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View CMD17-21UGC/TR8 on WIN SOURCE](#)
-  [Visual Communications Company - VCC Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management