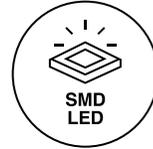


CMD15-21 Series 1206 Package Size Surface Mount Technology LED



SMD LED in a 1206 package with clear and diffused lens options. Available in multiple single color options.



Application

- Wearable and Portable Devices
- Automotive Features
- Navigations Systems
- Home and Smart Appliance
- Backlit Keypads
- Medical Devices
- Health Care Application
- Industrial Control Systems
- Status Indicator

Key Features

- Surface mount technology
- Tape and reel packaged for high-speed auto insertion
- Convection and vapor-phase reflow compatible
- Compact form enables high density placement
- Packaged 3000 pieces per reel
- Viewing angle: 140°
- Consistent high brightness
- Integral lensing for narrow angle light dispersion
- Stringent process controls assure quality
- Extensive qualification testing to meet strictest requirements
- Designed to permit easy post-reflow solder joint inspection
- MSL Rating 2
- For custom LED color contact VCC
- RoHS and REACH Compliant

Ordering Data

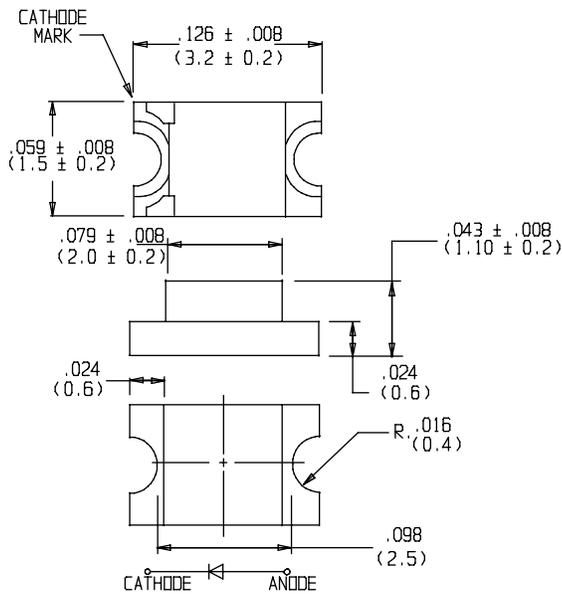
Series

Emitted Color/Lens Color

CMD15-21	SRC/TR8
----------	---------

SRC/TR8	Super Red/Clear
VRC/TR8	H.E. Red/Clear
VYC/TR8	Yellow/Clear
VGC/TR8	Green/Clear
UBC/TR8	Blue/Clear
UGC/TR8	Green/Clear
VRD/TR8	H.E. Red/Red Diffused
VGD/TR8	Clear/Green Diffused
VYD/TR8	Clear/Yellow Diffused

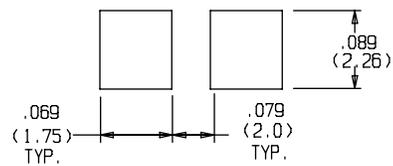
Product Dimensions



Recommended Pad for Reflow Soldering



Recommended Pad for Dip Soldering



Notes:

1. All dimensions are in inches (mm)
2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Product Specifications

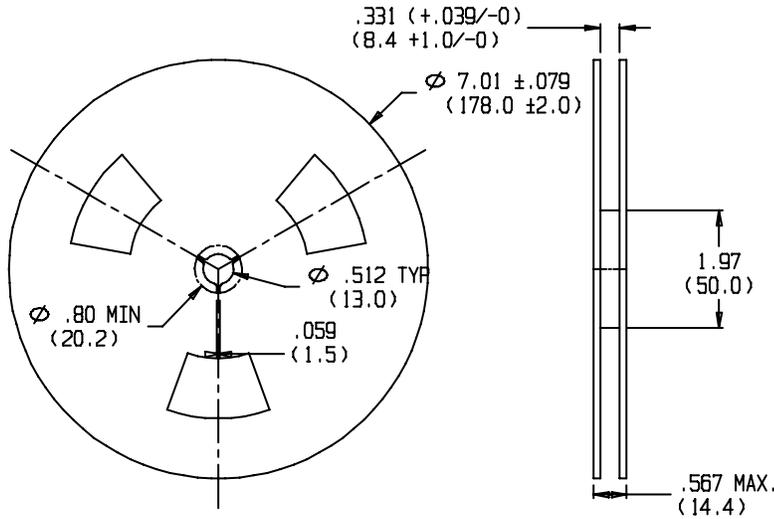
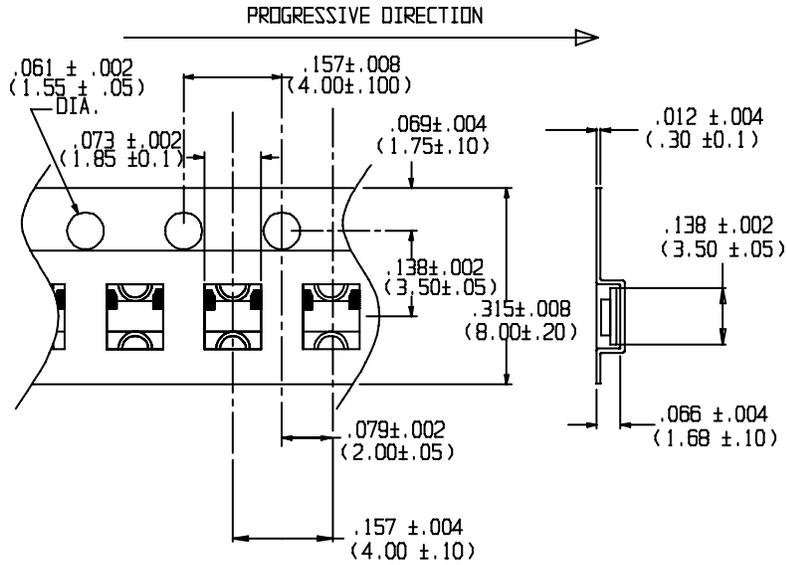
Electrical-Optical Characteristics

Part Number	Emitted Color	Lens Color	Luminous Intensity		Forward Voltage		Test Current (mA)	Peak Wavelength (nm)
			Min. (mcd)	Typ. (mcd)	Typ. (V)	Max. (V)		
CMD15-21SRC/TR8	Super Red	Clear	6.0	15.0	1.7	2.4	20	660
CMD15-21VRC/TR8	H.E.Red	Clear	3.6	6.0	2.0	2.8	20	640
CMD15-21VYC/TR8	Yellow	Clear	3.6	6.0	2.0	2.8	20	585
CMD15-21VGC/TR8	Green	Clear	6.0	10.0	2.1	2.8	20	570
CMD15-21UBC/TR8	Blue	Clear	19.0	45.0	4.9	5.5	20	430
CMD15-21UGC/TR8	Green	Clear	7.0	12.0	2.1	2.8	20	565
CMD15-21VRD/TR8	H.E.Red	Red Diffused	2.4	4.0	2.0	2.8	20	640
CMD15-21VGD/TR8	Clear	Green Diffused	5.5	6.5	2.1	2.8	20	570
CMD15-21VYD/TR8	Clear	Yellow Diffused	3.7	4.0	2.0	2.8	20	585

Absolute Maximum Ratings

Emitted Color	Power Dissipation (mW)	Operating/Storage Temperature (°C)	Peak Forward Current (1 μ s @ 10% duty cycle) (mA)	Reverse Voltage (IR=100 μ A) (V)	Lead Solder Time at 260°C (Seconds)	Average Forward Current (mA)
Green	105	-40 to +85	150	5.0	5	25
Super Red	105	-40 to +85	150	5.0	5	30
Yellow	105	-40 to +85	150	5.0	5	30

Tape and Reel Specifications



Notes:

1. All dimensions are in inches (mm)
2. The specifications, characteristics and technical data described in the datasheet are subject to change without prior notice.

Compliances and Approvals

