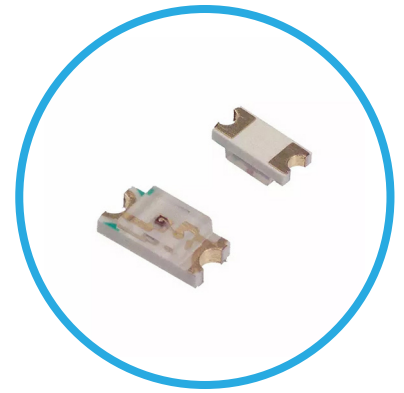


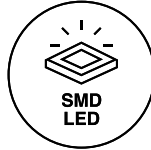
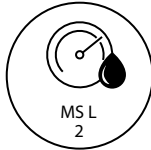
CMD15-21 Series

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.



Applications

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

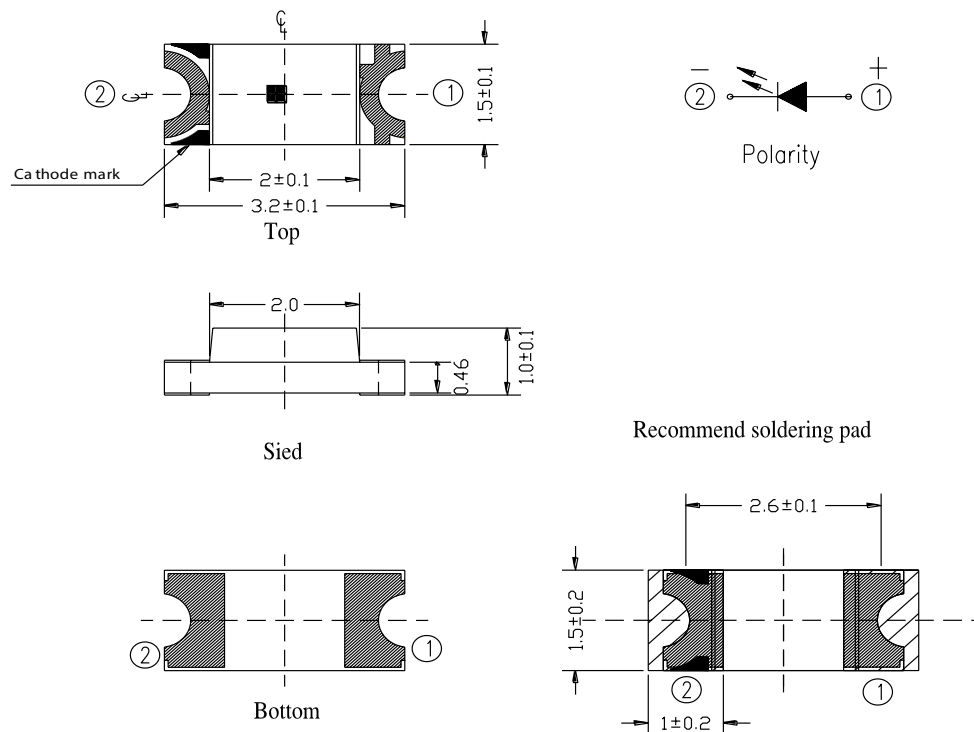
Key Features

- Surface mount technology
- 1206 LED package size
- Available in a range of colors: red, green, yellow and blue, clear and diffused
- Tape and reel packaged for high-speed auto insertion
- Convection and vapor-phase reflow compatible
- Compact form enables high density placement
- 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																
	<table> <tr> <td>SRC/TR8</td><td>Deep Red/Clear</td></tr> <tr> <td>VRC/TR8</td><td>Brilliant Red/Clear</td></tr> <tr> <td>VYC/TR8</td><td>Yellow/Clear</td></tr> <tr> <td>VGC/TR8</td><td>Green/Clear</td></tr> <tr> <td>UBC/TR8</td><td>Blue/Clear</td></tr> <tr> <td>VRD/TR8</td><td>Brilliant Red Diffused</td></tr> <tr> <td>VGD/TR8</td><td>Brilliant Yellow Green Diffused</td></tr> <tr> <td>VYD/TR8</td><td>Brilliant Yellow Diffused</td></tr> </table>	SRC/TR8	Deep Red/Clear	VRC/TR8	Brilliant Red/Clear	VYC/TR8	Yellow/Clear	VGC/TR8	Green/Clear	UBC/TR8	Blue/Clear	VRD/TR8	Brilliant Red Diffused	VGD/TR8	Brilliant Yellow Green Diffused	VYD/TR8	Brilliant Yellow Diffused
SRC/TR8	Deep Red/Clear																
VRC/TR8	Brilliant Red/Clear																
VYC/TR8	Yellow/Clear																
VGC/TR8	Green/Clear																
UBC/TR8	Blue/Clear																
VRD/TR8	Brilliant Red Diffused																
VGD/TR8	Brilliant Yellow Green Diffused																
VYD/TR8	Brilliant Yellow Diffused																

Product Dimensions



Notes:

1. All dimensions are in mm
2. Tolerance is ± 0.1 mm unless otherwise noted.
3. 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	Deep Red	Clear	10	18	1.7	2.4	20	660
CMD15-21VRC/TR8	Brilliant Red	Clear	15	38	2.0	2.4	20	632
CMD15-21VYC/TR8	Yellow	Clear	15	39	2.0	2.4	20	591
CMD15-21VGC/TR8	Green	Clear	10	15	2.0	2.4	20	575
CMD15-21UBC/TR8	Blue	Clear	45	-	3.3	3.7	20	468
CMD15-21VRD/TR8	Brilliant Red Diffused	Red Diffused	25	40	1.7	2.4	20	632
CMD15-21VGD/TR8	Brilliant Yellow Green Diffused	Green Diffused	16	24	2.0	2.4	20	573
CMD15-21VYD/TR8	Brilliant Yellow Diffused	Yellow Diffused	16	25	2.0	2.4	20	591

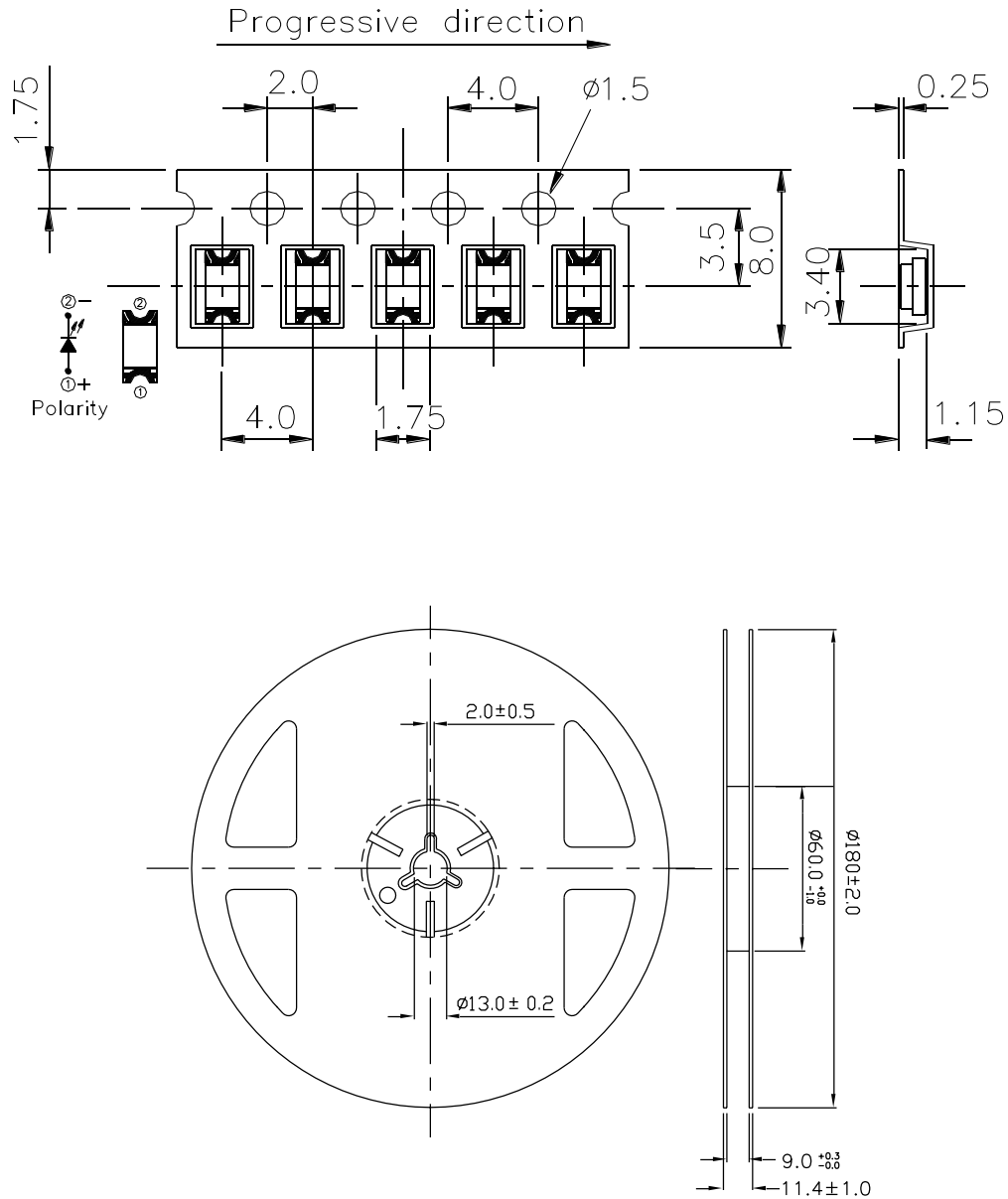
Absolute Maximum Ratings

Emitted Color	Reverse Voltage (IR=100μA) (V)	Average Forward Current (mA)	Peak Forward Current (1 μs @ 10% duty cycle) (mA)	Power Dissipation (mW)	Operating Temperature (°C)	Storage Temperature (°C)	Lead Solder Time at 260°C (Seconds)
Deep Red	5.0	25	80	110	-40 to +85	-40 to +90	10 Max
Yellow	5.0	25	60	60	-40 to +85	-40 to +90	10 Max
Green	5.0	25	60	60	-40 to +85	-40 to +90	10 Max
Blue	5.0	20	40	75	-40 to +85	-40 to +90	10 Max
Brilliant Red	5.0	25	60	60	-40 to +85	-40 to +90	10 Max
Red Diffused	5.0	25	60	60	-40 to +85	-40 to +90	10 Max
Brilliant Yellow Green Diffused	5.0	25	60	60	-40 to +85	-40 to +90	10 Max
Brilliant Yellow Diffused	5.0	25	60	60	-40 to +85	-40 to +90	10 Max

Reel Qty (pieces)

Part Number	Qty
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CMD15-21SRC/TR8	2000
CMD15-21VRC/TR8	3000
CMD15-21VYC/TR8	3000
CMD15-21VGC/TR8	3000
CMD15-21UBC/TR8	3000
CMD15-21VRD/TR8	3000
CMD15-21VGD/TR8	3000
CMD15-21VYD/TR8	3000



Notes:

1. All dimensions are in mm
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Compliances and Approvals



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

VCC:

[CMD15-21VRC/TR8](#) [CMD15-21VRD/TR8](#) [CMD15-21SRC/TR8](#) [CMD15-21UBC/TR8](#) [CMD15-21VGC/TR8](#) [CMD15-21VYC/TR8](#) [CMD15-21VGD/TR8](#) [CMD15-21VYD/TR8](#)