



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

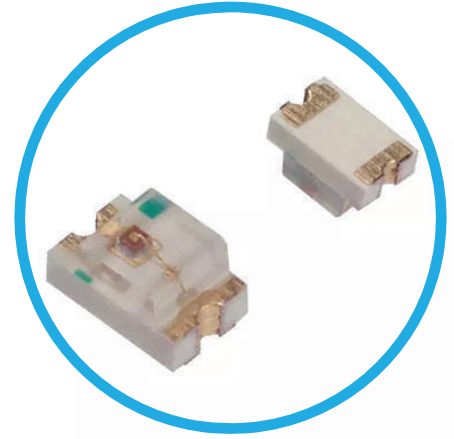
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





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

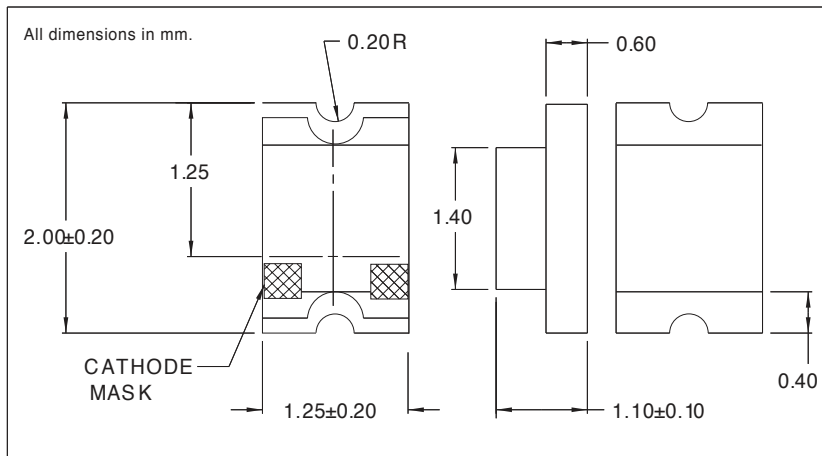
Leading Edge LED Optoelectronic Performance

- Consistent high brightness.
- Bi-color available.

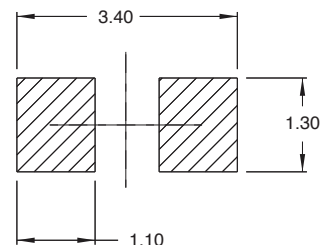
Exceptional Reliability

- 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

