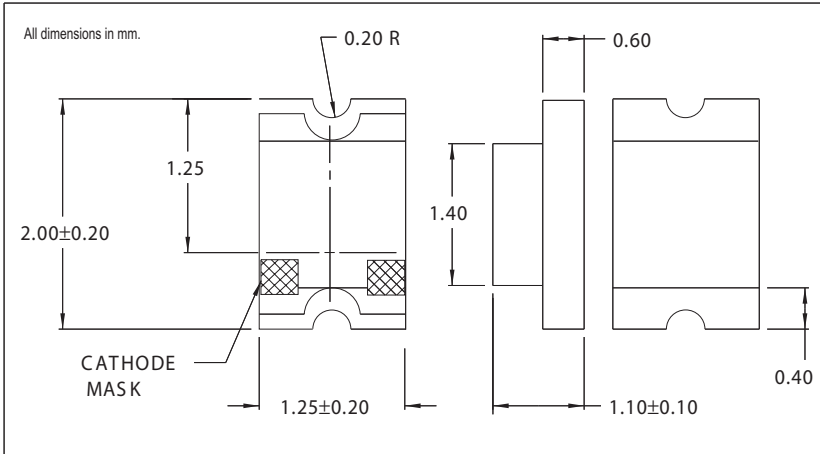




CMD17-21 Series SMT LEDs 0805 Package Size

DESCRIPTION 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 2000 pieces per reel.

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.
- Solder pad geometry on page 1-X2.

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	585	140
CMD17-21VGD/TR8	Green	Green Diffused	4.0	7.0	2.1	2.8	20	570	140
CMD17-21UBC/TR8	Blue	Clear	16.0	27.0	4.5	5.5	20	430	120
CMD17-21UYC/TR8	Super Yellow	Clear	41.0	61.0	2.1	2.8	20	590	140
CMD17-21USOC/TR8	Sunset Orange	Clear	26.0	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 μs @ 10% duty cycle).....	150	150	150	mA
Reverse Voltage (IR=100μA).....	5.0	5.0	5.0	V
Lead Solder Time @ 260°C.....	5	5	5	seconds
Average Forward Current.....	30	30	30	mA

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Chicago Miniature Lighting, LLC reserves the right to make specification revisions that enhance the design and/or performance of the product