

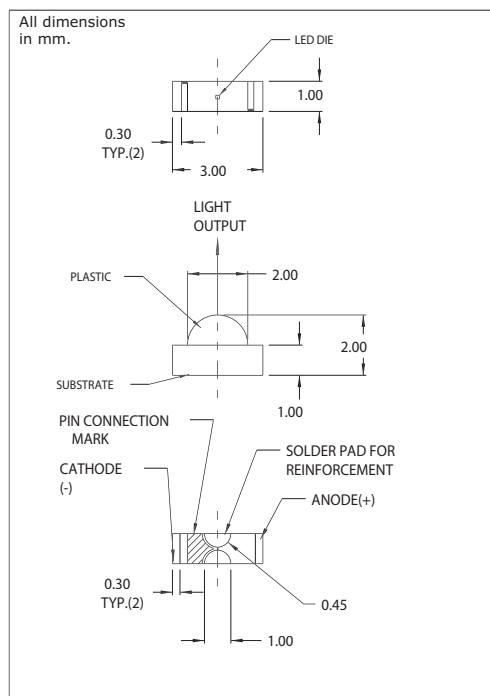


Chicago Miniature Lighting, LLC

Lighting the world since 1910

CMD11504 Series Bright★Angle™ Right Angle Surface Mount LED

DESCRIPTION AND FEATURES



- Available in Red, Orange, Yellow, Green and Pure Green.
- Right angle mounting.
- Compact size: 3.00mm x 1.00mm x 2.00mm
- High brightness

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.

Leading Edge LED Optoelectronic Performance

- Consistent high brightness.

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 AND RATINGS

Part Number	Source (Dice)	Package Color	Luminous Intensity @20ma		Forward Voltage		Viewing Angle (degrees)	Peak Wavelength (nm)
			Min. (mcd)	Typ. (mcd)	Typ. (V)	Max. (V)		
CMD11504UR	Red	Water Clear	6.6	13.2	1.7	2.0	100	660
CMD11504FR	Red	Water Clear	16.0	50.0	1.9	2.4	65	630
CMD11504A	Orange	Water Clear	1.6	3.2	2.2	2.5	100	605
CMD11504Y	Yellow	Water Clear	1.6	3.2	2.2	2.5	100	580
CMD11504FY	Yellow	Water Clear	16.0	65.0	1.9	2.4	65	592
CMD11504G	Green	Water Clear	3.0	16.0	2.1	2.5	100	560
CMD11504PG	Pure Green	Water Clear	1.3	2.6	2.1	2.5	100	555
CMD11504FA	Orange	Water Clear	16.0	65.0	1.9	2.4	65	560

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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