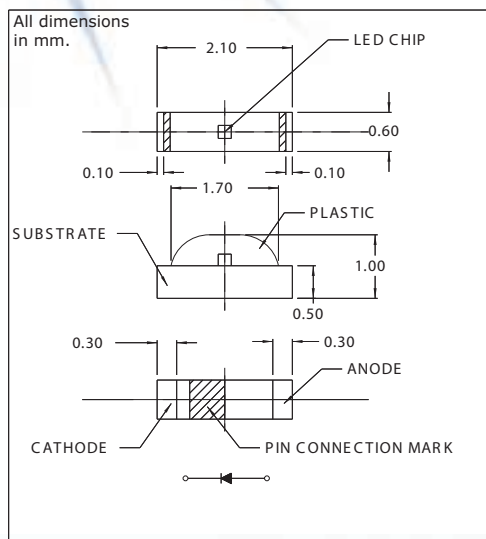


## CMD11505 Series Bright★Angle™ Right Angle Surface Mount LED

### DESCRIPTION AND FEATURES



- Available in Red, Yellow and Green and Pure Green.
- Right angle mounting.
- Compact size: 2.10mm x 1.00mm x 0.60mm

#### Surface Mount Technology

- Tape and reel packaged for high-speed autoinsertion.
- Convection and vapor-phase reflow compatible.
- Compact form enables high density placement.
- Packaged 4000 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	CMD11505PG	CMD11505PY	CMD11505UR
Output Color	Green	Yellow	Red
Diffused/Non-Diffused	Diffused	Diffused	Diffused
Package Color	Clear	Clear	Clear
Power Dissipation (mW)	70	70	57.5
Peak Forward Current Max. (mA)	60	60	60
Reverse Voltage (IR=100μA) (V)	4	4	4
Operating Temperature (°C)	-30 to +85	-30 to +85	-30 to +85
Storage Temperature (°C)	-40 to +100	-40 to +100	-40 to +100
Forward Voltage Typ. (IF=20mA)	2.1	2.1	1.7
Forward Voltage Max. (IF=20mA)	2.8	2.8	2.3
Viewing Angle (degrees)	130	130	130
Luminous Intensity Min. (IF=20mA)	3.8	7.0	7.0
Luminous Intensity Typ. (IF=20mA)	6.4	11.7	11.7
Peak Wavelength (IF=20mA)	560	570	660
Rated Current (mA)	20	20	20
Lead Solder Time @ 260°C (seconds)	5	5	5