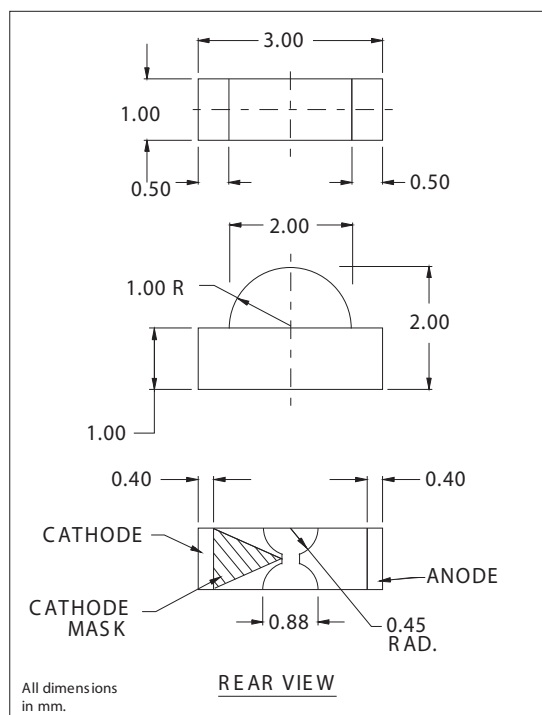


CMD12-21 Bright★Angle™ Right Angle Surface Mount LED

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 per reel.
- RoHS Compliant

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.

- Refer to "Solder Pad Geometry 3.pdf"

Electro-Optical Characteristics

Part Number	Emitted Color	Lens Color	Luminous Intensity		Forward Voltage		Viewing Angle (degrees)	Peak Wavelength (nm)
			Min. (mcd)	Typ. (mcd)	Typ. (V)	Max. (V)		
CMD12-21SRC/TR8	Red	Clear	14.0	24.0	1.7	2.4	120	660
CMD12-21VRC/TR8	H.E. Red	Clear	3.0	5.0	2.0	2.8	120	640
CMD12-21VYC/TR8	Yellow	Clear	1.5	3.0	2.0	2.8	120	585
CMD12-21VGC/TR8	Green	Clear	4.4	8.8	2.1	2.8	120	570
CMD12-21UGC/TR8	Green	Clear	9.0	14.9	2.1	2.8	120	570

Absolute Maximum Ratings

	Green	H.E.Red	Yellow	Red	Units
Power Dissipation.....	100.....	105.....	85.....	105.....	mW
Storage/Operating Temperature.....	-40 to +85....	-40 to +85....	-40 to +85....	-40 to +85....	°C
Peak Forward Current (1μs @ 10% duty cycle).....	150.....	150.....	150.....	150.....	mA
Reverse Voltage (IR=100μA).....	4.0.....	4.0.....	4.0.....	4.0.....	V
Lead Solder Time @ 260°C.....	5.....	5.....	5.....	5.....	Seconds
Average Forward Current.....	30.....	30.....	30.....	30.....	mA