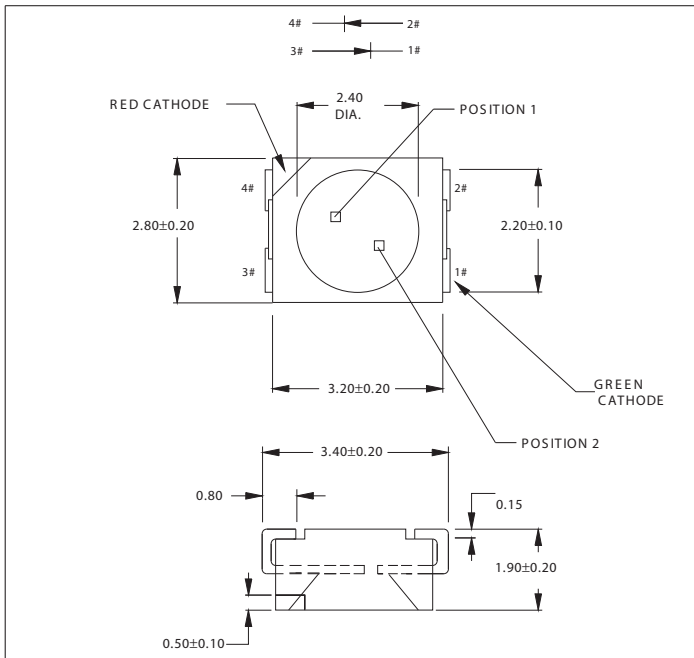


## CMD67-21 SERIES SMT LEDs

### Description and Features



#### Surface Mount Technology

- Tape and reel packaged for high-speed autoinsertion.
- Convection and vapor-phase eflow compatible.
- Compact form enables high density placement.
- Packaged 2000 pieces per reel.

#### Leading Edge LED Optoelectronic Performance

- Consistent high brightness.
- Integral lensing for narrow angle light dispersion.
- 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.
- Refer to "Solder Pad Geometry 1.pdf"

## Electro-Optical Characteristics and Ratings

Part Number	E mitted Color	Lens Color	Luminous Intensity		Forward Voltage		Polarity Mark Indicates	Peak Wavelength (nm)	View Angle (degrees)
			Min. (mcd)	Typ. (mcd)	Typ. (V)	Max. (V)			
CMD67-21VGC/TR8	Green	Clear	15.0	25.0	2.1	2.8	Cathode	570	120
CMD67-21VYC/TR8	Yellow	Clear	6.0	10.0	2.0	2.8	Cathode	585	120
CMD67-21VRC/TR8	H.E. Red	Clear	6.0	10.0	2.0	2.8	Cathode	640	120
CMD67-21SRC/TR8	Bright Red	Clear	25.0	40.0	1.7	2.4	Anode	660	120
CMD67-21URC/TR8	Bright Red	Clear	36.0	62.0	1.7	2.4	Anode	660	120
CMD67-21UBC/TR8	Blue	Clear	59.0	98.0	4.5	5.5	Cathode	430	120
CMD67-21UYC/TR8	Super Yellow	Clear	65.0	85.0	2.1	2.8	Cathode	590	120
CMD67-21USOC/TR8	Super Orange	Clear	70.0	90.0	2.1	2.8	Cathode	620	120

## Absolute Maximum Ratings

	Green	H.E.Red	Yellow	Bright Red	Red Units
Power Dissipation.....	105.....	120.....	105.....	100.....	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).....	5.0.....	5.0.....	5.0.....	5.0.....	V
Lead Solder Time @ 260°C.....	5.....	5.....	5.....	5.....	Seconds
Average Forward Current.....	25.....	30.....	30.....	30.....	mA