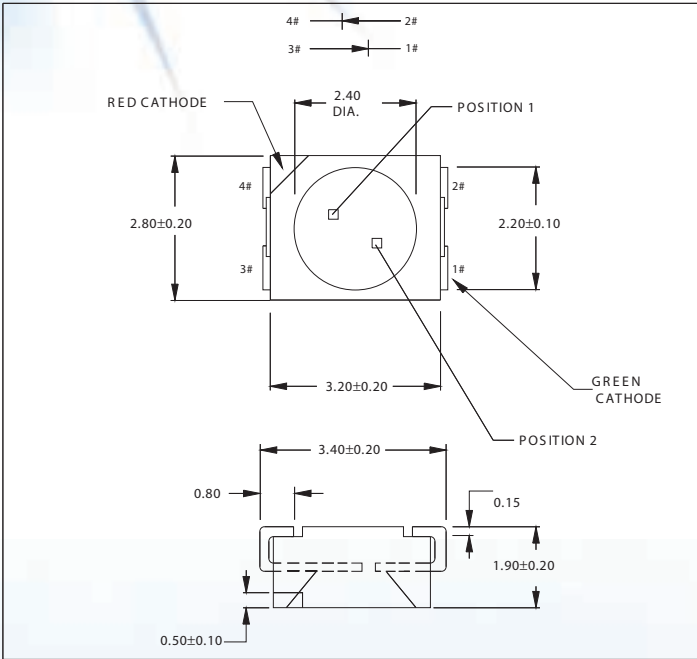


**CMD67-21 SERIES SMT LEDs**  
**DESCRIPTION AND FEATURES**



- 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.

• Solder pad geometry on page 1-X1.

**ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS**

Part Number	Emitted 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