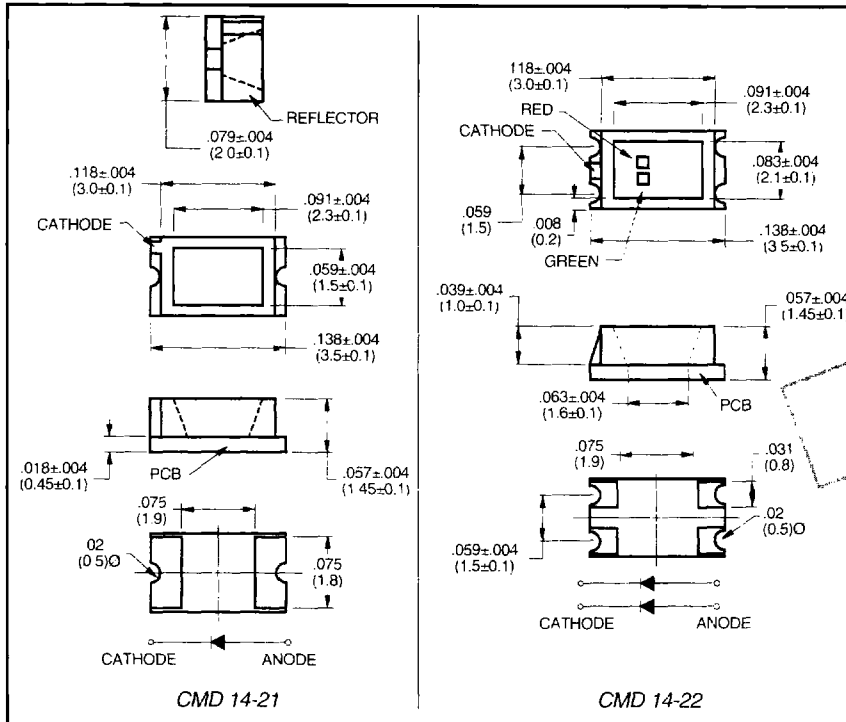


CMD14-21 & 22 SERIES SMT LEDs
DESCRIPTION AND FEATURES

SURFACE MOUNT TECHNOLOGY

- Tape and reel packaged for high-speed autoinsertion
- Convection and vapor-phase reflow compatible
- Compact form enables high density placement

LEADING EDGE LED OPTOELECTRONIC PERFORMANCE

- Consistent high brightness
- Built-in reflector for wide angle light dispersion

EXCEPTIONAL RELIABILITY

- Stringent process controls assure quality
- Extensive qualification testing to meet strictest requirements
- Designed to permit easy post-reflow solder joint inspection

PRELIMINARY

ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

Part Number	Emitted Color	Lens Color	Package Type	Luminous Intensity			Forward Voltage			Peak Wavelength (nm)	View Angle Degrees
				Min. mcd	Typ. mcd	mA	Type	Max	mA		
CMD14-21SRC	Red	Clear	Single	13.0	58.5	20	1.7	2.4	20	660	20°
CMD14-21VRC	H.E. Red	Clear	Single	6.0	17.0	20	2.0	2.8	20	640	20°
CMD14-21VYC	Yellow	Clear	Single	6.5	15.5	20	2.0	2.8	20	585	20°
CMD14-21VGC	Green	Clear	Single	14.0	50.0	20	2.1	2.8	20	570	20°
CMD14-22VRVGC	Red	Clear	Single	6.0	17.0	20	2.0	2.8	20	640	20°
	Green	Clear	Single	14.0	50.0	20	2.1	2.8	20	570	20°

ABSOLUTE MAXIMUM RATINGS

	Red	H.E. Red	Yellow	Green	Units
Power Dissipation	100	105	85	100-105	mW
Storage/Operation Temperature	-30 to +90/-30 to +85	-30 to +90/-30 to +85	-30 to +90/-30 to +85	-30 to +90/-30 to +85	°C
Lead Solder Time at 260°C	5	5	5	5	Seconds
Peak Forward Current (1 micro second @ 10% duty cycle)	150	150	150	150	mA
Reverse Voltage (IR=100µA)	4.0/5.0	4.0	4.0	4.0/5.0	V
Average Forward Current	30	30	30	30	mA