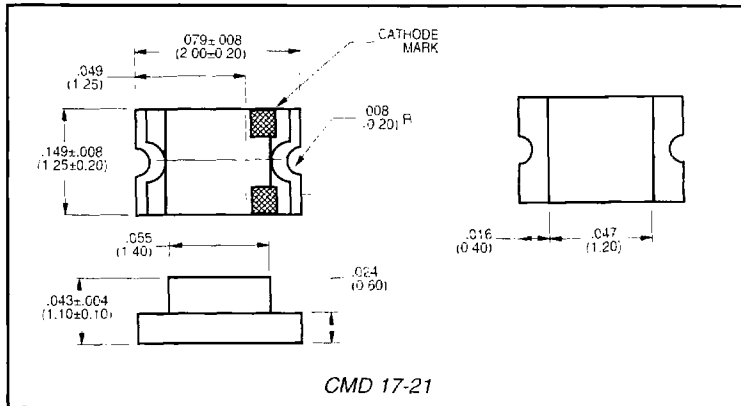


CMD17-21 SERIES SMT LEDs

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
- Industry standard 0805 package

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

ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

Part Number	Emitted Color	Lens Color	Luminous Intensity			Forward Voltage			Peak Wavelength (nm)	View Angle Degrees
			Min. mcd	Typ. mcd	mA	Type	Max	mA		
CMD17-21SRC	Super Red	Clear	10.0	45.0	20	1.7	2.4	20	660	140°
CMD17-21VRC	H.E. Red	Clear	4.5	13.0	20	2.0	2.8	20	640	140°
CMD17-21VYC	Yellow	Clear	5.0	12.0	20	2.0	2.8	20	585	140°
CMD17-21VGC	Green	Clear	10.0	35.0	20	2.1	2.8	20	570	140°
CMD17-21UGC	Green	Clear	30.0	50.0	20	2.1	2.8	20	570	140°
CMD17-21VRD	H.E. Red	Red Diffused	2.0	3.0	20	2.0	2.8	20	640	160°
CMD17-21VYD	Yellow	Yellow Diffused	2.5	4.0	20	2.0	2.8	20	585	160°
CMD17-21VGD	Green	Green Diffused	3.0	5.0	20	2.1	2.8	20	570	160°

ABSOLUTE MAXIMUM RATINGS

	Red	Yellow	Green	Units
Power Dissipation	100	105	105	mW
Storage/Operation Temperature	-40 to +85	-40 to +85	-40 to +85	°C
Lead Solder Time at 260°C	5	5	5	Seconds
Peak Forward Current (1 micro second @ 10% duty cycle)	150	150	150	mA
Reverse Voltage (IR=100µA)	5.0	5.0	5.0	V
Average Forward Current	30	30	25	mA

PACKAGING CHARACTERISTICS

