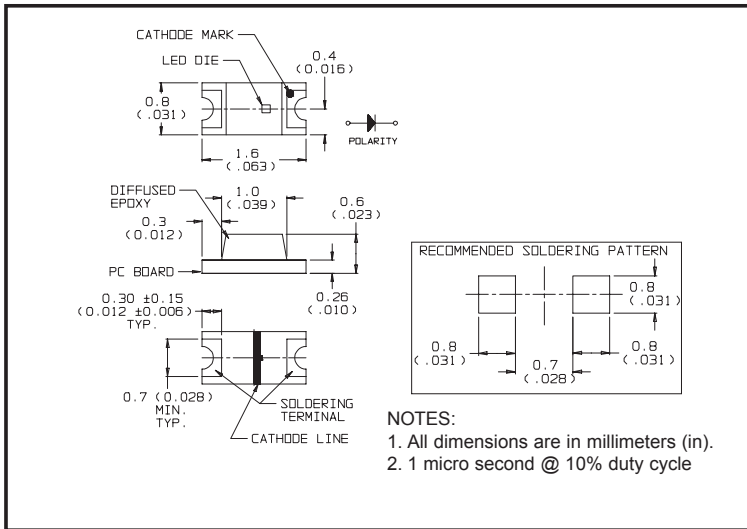


CMDA19 Series HIGH BRIGHTNESS 0603 Package Size Low Profile Surface Mount LED

Description and Features



Features

- High brightness
- Small size
- Industrial standard 0603 Footprint
- Diffused optics
- Top emitting
- Compatible with IR solder profiles
- Ideal for use with vLight Pipes
- Available in 8 mm tape on 7" diameter reel
- Packaged 4,000 pieces per reel
- RoHS Compliant

Applications

- LCD backlighting
- Push button backlighting
- Front panel indicator
- Symbol indicator
- Microdisplays
- Small message panel signage

CAUTION: CMDA19AG and CMDA19CB are Class 1 ESD sensitive per MIL-STD-1686. Please observe appropriate precautions during handling and processing.

Electro-Optical Characteristics and Ratings

Part Number	Output Color	Diffusion	Package Color	Test Current (mA)	Forward Voltage Typ. (V)	Forward Voltage Max. Typ. (V)	Luminous Intensity Min. (mcd)	Luminous Intensity Typ. (mcd)	Peak Wavelength (nm)	Viewing Angle (Degrees)
CMDA19CB7D1S	Blue	Diffused	Clear	20	3.4	3.9	16	55	469	140
CMDA19AG7D1S	Green	Diffused	Clear	20	3.4	3.9	40	145	520	140
CMDA19AR7D1S	Red	Diffused	Clear	20	1.9	2.4	25	90	637	170

Absolute Maximum Ratings to = 25°C

Part Number	Power Dissipation (mW)	Operating Temperature (°C)	Storage Temperature (°C)	Peak Forward Current Max. (See note 2) (mA)	Reverse Voltage (IR = 100 mA) (V)	Lead Solder Time at 230°C (Seconds)
CB	98	-30 to +85	-40 to +85	50	5	10
AG	98	-30 to +85	-40 to +85	50	5	10
AR	75	-30 to +85	-40 to +85	100	5	10

Mouser Electronics

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VCC:

[CMDA19AR7D1S](#) [CMDA19CB7D1S](#)