



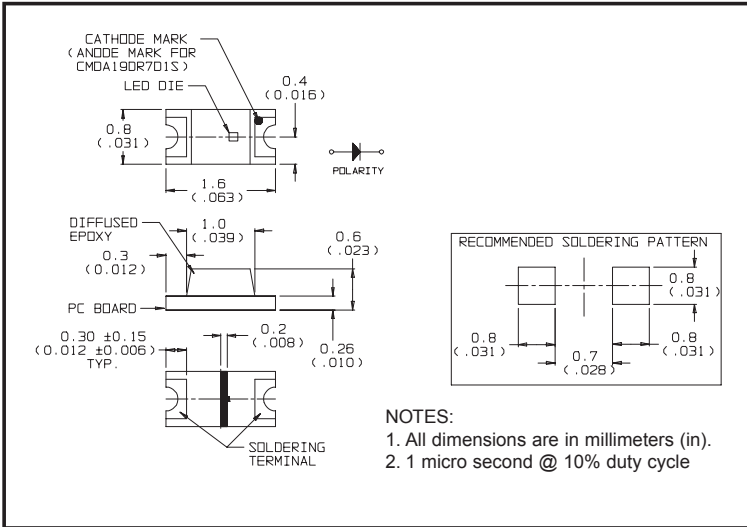
Chicago Miniature Lighting, LLC

Lighting the world since 1910

CMDA19 Series 0603 Package Size Low Profile Surface Mount LED

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DESCRIPTION AND FEATURES



Features

- Small size
- Industry standard 0603 Footprint
- Compatible with IR solder profiles
- Ideal for use with Light Pipes
- Diffused optics
- Top emitting
- Available in 8 mm tape on 7" diameter reels
- Packaged 4,000 pieces per reel

Applications

- Keypad backlighting
- Push-button backlighting
- LCD backlighting
- Symbol backlighting
- Front panel indicator

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)
CMDA19AY7D1S	Green	Diffused	Clear	20	2.2	2.6	4.0	15	570	170
CMDA19CY7D1S	Yellow	Diffused	Clear	20	2.1	2.6	2.5	8	589	170
CMDA19AA7D1S	Orange	Diffused	Clear	20	2.2	2.6	2.5	8	605	170
CMDA19BR7D1S	HE Red	Diffused	Clear	20	2.1	2.6	2.5	10	630	170
CMDA19DR7D1S	Red	Diffused	Clear	20	1.8	2.6	6.3	17	660	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)
AY	52	-30 to +85	-40 to +85	100	5	10
CY	52	-30 to +85	-40 to +85	100	5	10
AA	52	-30 to +85	-40 to +85	100	5	10
BR	52	-30 to +85	-40 to +85	100	5	10
DR	65	-30 to +85	-40 to +85	100	5	10

The model numbers listed above are standard off the shelf parts. For the user who may have a requirement calling for various color/electrical specifications, a part number can be determined by calling the factory.

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Chicago Miniature Lighting, LLC reserves the right to make specification revisions that enhance the design and/or performance of the product

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