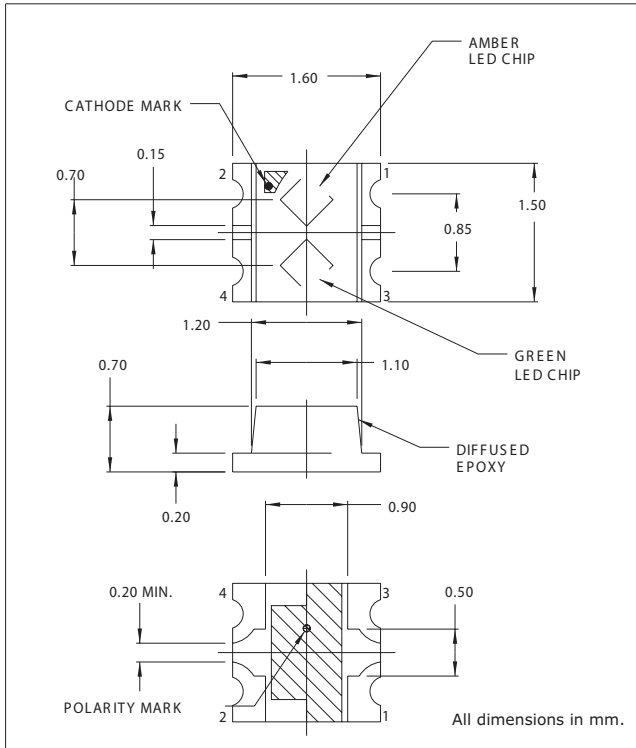




## 7018X Series Bicolor SMT LEDs

### DESCRIPTION AND FEATURES



#### Color Combinations:

- Red/Green
- Green/Yellow

#### Surface Mount Technology

- Tape and reel packaged for high-speed autoinsertion.
- Convection and vapor-phase reflow compatible.
- Compact form enables high density placement.
- Packaged 4000 pieces per reel.

#### 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.
- Solder pad geometry on page 1-X1.

### ELECTRO-OPTICAL CHARACTERISTICS AND RATINGS

PART NUMBER	7018X1/5	7018X5/7
Output Color	Red/Green	Green/Yellow
Diffusion	Diffused	Diffused
Package Color	Clear	Clear
Test Current (mA)	20	20
Forward Voltage Typ. (V)	2.1	1.8
Forward Voltage Max. (V)	2.8	2.8
Luminous Intensity Min. (mcd)	4.5	9
Luminous Intensity Typ. (mcd)	6.4	16
Luminous Intensity Max. (mcd)	-	-
Peak Wavelength (nm)	560	580
Viewing Angle (degrees)	120	110
Power Dissipation (mW)	70	70
Storage Temperature (°C)	-40 to +100	-40 to +100
Operating Temperature (°C)	-30 to +85	-30 to +85
Peak Forward Current Max. (1µs @ 10% duty cycle) (mA)	60	60
Reverse Voltage (IR=100µA) (V)	4	4
Lead Solder Time @260°C	5	5

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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