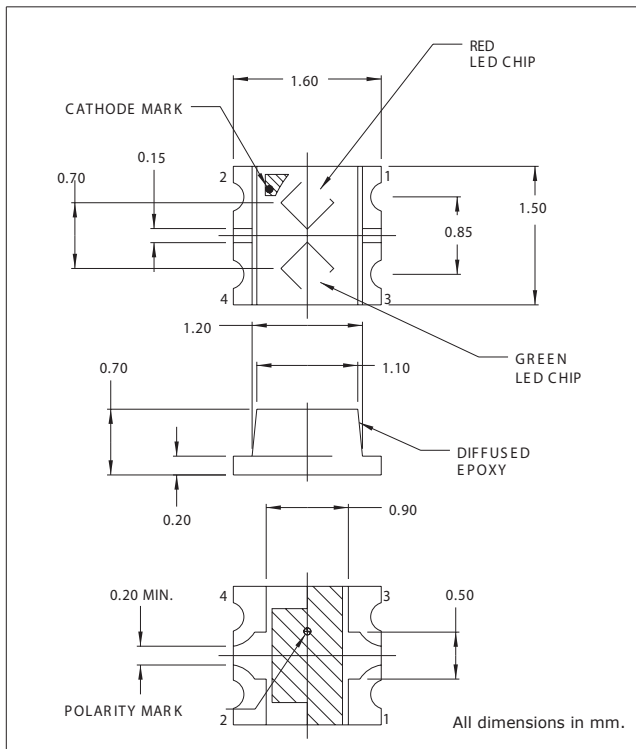


7018X Series Bicolor SMT LEDs

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.
- Packaged 4000 per reel.
- RoHS Compliant

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.
- Refer to "Solder Pad Geometry 1.pdf"

Electro-Optical Characteristics and Ratings

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

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VCC:

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