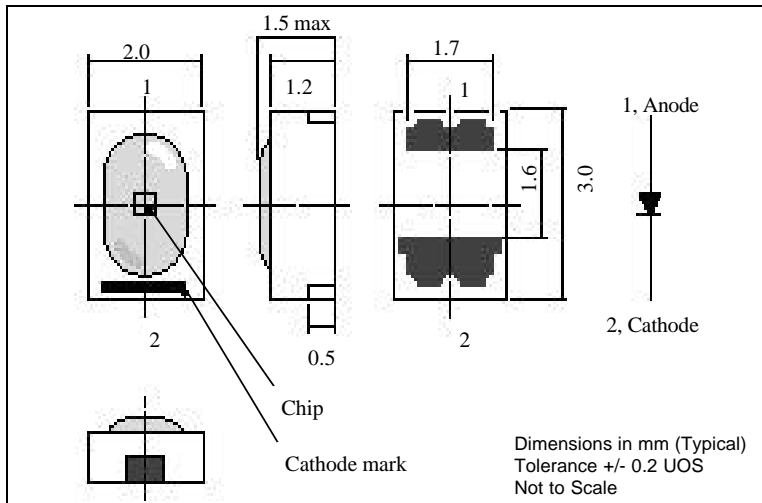


**● SURFACE MOUNT LEDs - 3x2 White**



- High Intensity
- Also available as a 3mm device
- Solid state reliability
- Wide viewing angle
- Ideal for backlighting



120080 SERIES

MLQ = 50

**Ordering Information & Typical Technical Characteristics (Ta = 25°C)**

Mean Time Between Failure = 100,000 Hours. \* Duty Cycle <= 1/10, Pulse Width <= 10msec

PART NUMBER	COLOUR	TYP. FWD VOLTAGE V <sub>f</sub> @ I <sub>opr</sub>	MAX FWD VOLTAGE V <sub>f</sub> @ I <sub>opr</sub>	FORWARD CURRENT I <sub>opr</sub>	MAX REV CURRENT I <sub>r</sub> (V <sub>r</sub> =5V)	LUMINOUS INTENSITY I <sub>v</sub> @I <sub>opr</sub>	CHROMATICITY COORDINATES	VIEWING ANGLE 2θ <sup>1/2</sup>
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**OPTICAL / ELECTRICAL CHARACTERISTICS (Ta = 25°C)**

120080	White	3.6	4.0	20	50	200	0.31 / 0.32	120
UNITS	Water Clear	V	V	mA	μA	mcd	x / y	deg

PART NUMBER	COLOUR	FORWARD CURRENT I <sub>opr</sub> max	PEAK FWD CURRENT I <sub>fp</sub> *	REVERSE VOLTAGE V <sub>r</sub> max	POWER DISSIPATION P <sub>d</sub> max	DOM WAVELENGTH Typ. λ <sub>D</sub>	OPERATING TEMP T <sub>opr</sub>	STORAGE TEMP T <sub>stg</sub>
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**ABSOLUTE MAXIMUM RATINGS (Ta = 25°C)**

120080	White	25	80	5	100		-20 to +80	-30 to +100
UNITS	Water Clear	mA	mA	Vdc	mW	nm	°C	°C

**PRECAUTIONS FOR HANDLING ELECTROSTATIC SENSITIVE LEDs**

**Static Electricity and Surge**

Static electricity and surge will damage the LED and a high standard of care must be taken during handling. It is recommended that a wristband, conductive mat or anti-electrostatic glove is used when handling the LEDs. All devices, equipment (e.g. soldering iron points) and machinery must be properly grounded.

**SAFETY PRECAUTIONS FOR HANDLING HIGH BRIGHTNESS LEDs**

The light output of the Products may cause injuries to human eyes in circumstances where they are viewed directly with unshielded eyes for more than a few seconds.

Please refer to **European Standard BSEN 100015-1 1992** for further information.

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● Datasheet Reference 23/98 Issue 01