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DISCRETE LEDS - Ø 5mm Bi-Colour (2 Pin)

Red/Green bi-colour
Also available as a
3mm device
Wide viewing angle

Identification

Identific

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 l <sub>opr</sub>	MAX REV CURRENT I <sub>r</sub> (V <sub>r</sub> =5V)	LUMINOUS INTENSITY Iv@lopr	CHROMATICITY COORDINATES	VIEWING ANGLE 20 <sup>1</sup> / <sub>2</sub>		
OPTICAL / ELECTRICAL CHARACTERISTICS (T <sub>a</sub> = 25 <sup>o</sup> C)										
190001	Red	2.0	2.5	20	10	30		60		
	Green	2.2				20				
UNITS	White Diffused	V	V	mA	μΑ	mcd		deg		

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PART NUMBER	COLOUR	FORWARD CURRENT I <sub>opr max</sub>	PEAK FWD CURRENT I <sub>fp</sub> *	REVERSE VOLTAGE <sup>V</sup> r max	POWER DISSIPATION <sup>P</sup> d max	PEAK WAVELENGTH λp@lopr	OPERATING TEMP Topr	STORAGE TEMP Tstg		
ABSOLUTE MAXIMUM RATINGS (T <sub>a</sub> = 25 <sup>o</sup> C)										
190001	Red	30	150	5	105	625	-40 to +85	-40 to + 85		
	Green	25				565				
UNITS	White Diffused	mA	mA	Vdc	mW	nm	OC	0C		

## 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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