

● PCB MOUNTING LEDs - Ø 5mm

FEATURES



104 SERIES

PACK QUANTITY = 250 PIECES

- Material conforms to UL94 V-O flammability ratings
- Bi-colour options available
- Reverse polarity options available
- Product illustrated 104-505-04
- Typically available ex stock

SPECIFICATIONS

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

Mean Time Between Failure up to = 100,000 Hours. Luminous intensity figures refer to the unmodified discrete LED.

PART NUMBER	COLOUR	LENS	VOLTAGE DC Vopr	CURRENT DC Iopr	LUMINOUS INTENSITY lv@20mA	WAVE LENGTH λp	OPERATING TEMP Topr	STORAGE TEMP Tstg	
STANDARD INTENSITY									
104-505-04	Red	Colour Diffused	2.0*	20	60	627	-40 ~ +85 [^]	-40 ~ +85	Yes
104-511-04	Yellow	Colour Diffused	2.1*	20	40	590	-40 ~ +85 [^]	-40 ~ +85	Yes
104-514-04	Green	Colour Diffused	2.2*	20	40	565	-40 ~ +85 [^]	-40 ~ +85	Yes
104-530-04	Red/Green	White Diffused	2.0/2.2*	20	30/25	627/565	-40 ~ +85 [^]	-40 ~ +85	Yes
104-581-20	Red	Colour Diffused	5	10	50	627	-40 ~ +70	-40 ~ +85	Yes
104-582-20	Yellow	Colour Diffused	5	10	20	590	-40 ~ +70	-40 ~ +85	Yes
104-583-20	Green	Colour Diffused	5	10	20	565	-40 ~ +70	-40 ~ +85	Yes
UNITS			Vdc	mA	mcd	nm	°C	°C	

* = Voltage DC for 20mA product is Vf@20mA, not Vopr

[^] = Products must be derated according to the derating information. Each derating graph refers to specific LEDs.

How to Order:

website: www.marl.co.uk • email: sales@marl.co.uk •

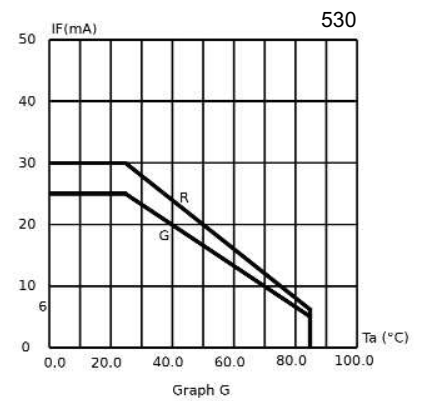
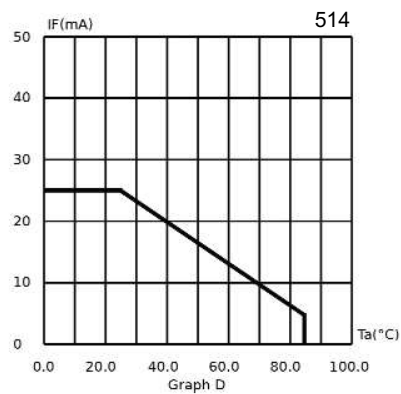
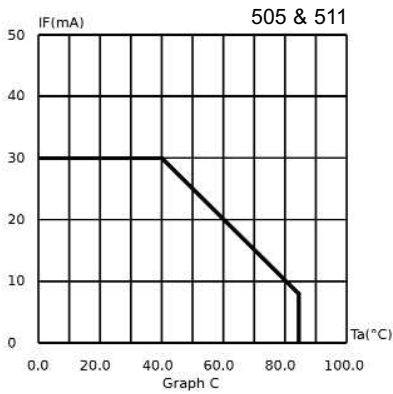
• Telephone +44 (0)1229 582430 • Fax: +44 (0)1229 585155

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DERATING INFORMATION



ALSO AVAILABLE

Part numbers also available in the 104 Series:

PART NO.	COLOUR	VOLTAGE DC (Vdc) Vopr
104-505-01	Red	2mA
104-505-01-29	Red	2mA
104-511-01	Yellow	2mA
104-514-01	Green	2mA
104-514-01-29	Green	2mA
104-514-04-24	Green	20mA
104-514-13-24	Green	20mA RP
104-555-04	Red	20mA
104-561-04	Yellow	20mA
104-564-01	Green	2mA
104-564-04	Green	20mA
104-583-20-29	Green	5/6Vdc
UNITS		

The products listed above illustrate all of the options available to order. These products may have custom modifications that alter their operation beyond the generic information contained within this datasheet. Please contact sales for further information.

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