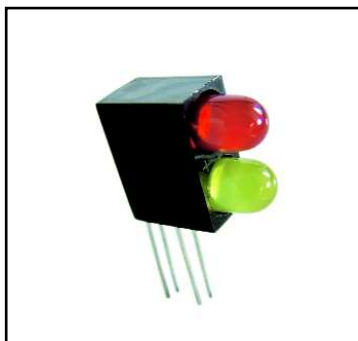


● PCB MOUNTING LEDs - Ø 5mm

FEATURES



110 SERIES

PACK QUANTITY = 250 PIECES

- Material conforms to UL94 V-O flammability ratings
- Bi-colour and resistor models enhance potential for saving assembly time and board space
- Reverse polarity options available
- Product illustrated 110-000-04-52
- Typically available ex stock

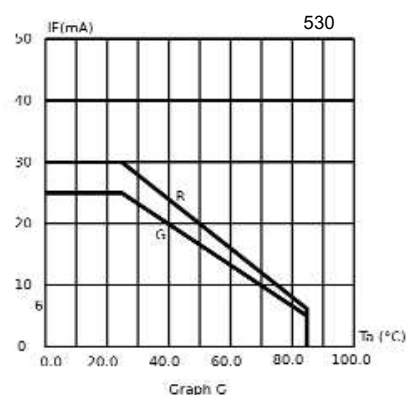
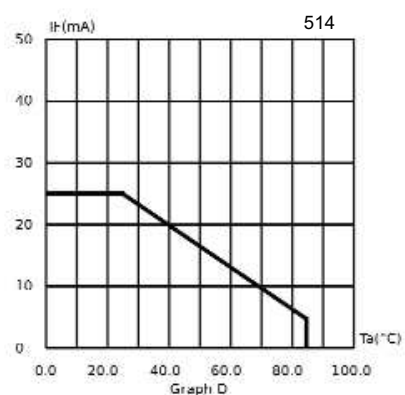
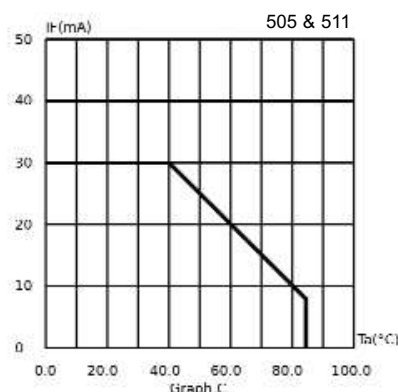
SPECIFICATIONS

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									
110-505-04	Red		Colour Diffused	2.0*	20	60	627	-40 ~ +85^	
110-511-04	Yellow		Colour Diffused	2.1*	20	40	590	-40 ~ +85^	
110-514-04	Green		Colour Diffused	2.2*	20	40	565	-40 ~ +85^	
110-530-04	Red/Green		White Diffused	2.0/2.2*	20	30/25	627/565	-40 ~ +85^	
110-581-20	Red		Colour Diffused	5	10	50	627	-40 ~ +70	
110-582-20	Yellow		Colour Diffused	5	10	20	590	-40 ~ +70	
110-583-20	Green		Colour Diffused	5	10	20	565	-40 ~ +70	
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

The information contained in this datasheet does not constitute part of any order or contract and should not be regarded as a representation relating to either products or service. Marl International reserve the right to alter without notice the specification or any conditions of supply for products or service.

110 Series

Part numbers also available in the 110 Series:

PART NO.	COLOUR	VOLTAGE DC (Vdc) Vopr
110-000-01-50	Red over Green	2mA
110-000-04-50	Red over Green	20mA
110-000-04-51	Yellow over Red	20mA
110-000-04-52	Red over Yellow	20mA
110-000-04-53	Green over Red	20mA
110-000-04-54	Green over Yellow	20mA
110-000-04-58	Green over Red/Green Bi-colour	20mA
110-000-04-60	Breen over Blue	20mA
110-000-04-61	Green over Yellow Water Clear lens	20mA
110-000-04-63	Yellow over Green	20mA
110-000-13-50	Green over Yellow	20mA RP
110-000-13-51	Green over Red	20mA RP
110-505-01	Red	2mA
110-505-04-50	Red	20mA
110-505-13-26	Red	20mA RP
110-511-01	Yellow	2mA
110-511-04-50	Yellow	20mA
110-514-01	Green	2mA
110-514-04-50	Green	20mA
110-514-13	Green	20mA RP
110-530-13-50	Red/Green Bi-colour	20mA RP
110-581-20-51	Red	5/6Vdc
110-583-20-51	Green	5/6Vdc
UNITS		VDC

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.

How to Order:

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

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

The information contained in this datasheet does not constitute part of any order or contract and should not be regarded as a representation relating to either products or service. Marl International reserve the right to alter without notice the specification or any conditions of supply for products or service.