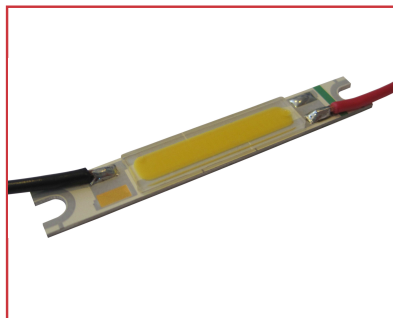


CL-L103-HC3N1-C-02



features



- 3W white high power LED
- 120° viewing angle
- Colour temperature 5,000K
- 150mm flying leads as standard, custom lengths available on request

specifications

absolute maximum ratings

parameter	symbol	rating value	unit
power dissipation	P_d	4.0	W
forward current	I_F	420	mA
forward pulse current	I_{FP}	600	mA
reverse current	I_R	1	mA
operating temperature	T_{OP}	-30 ~ +85	°C
storage temperature	T_{ST}	-40 ~ +100	°C
junction temperature	T_j	120	°C

electro-optical characteristics

parameter	symbol	condition	min.	typ.	max.	unit
forward voltage	V_F	$I_F=350\text{mA}$	8.75	9.30	10.5	V
thermal resistance	R_{j-c}	junction-case	-	6.4	-	°C/W
luminous flux	Φ_v	$I_F=350\text{mA}$	188	235	-	lm
high general colour	R_a	$I_F=350\text{mA}$	90	-	-	-

to order

to order please contact us on: t: **+44 (0)1229 582 430** f: **+44 (0)1229 580 012**
e: **sales@marl.co.uk** w: **www.optosource.com**

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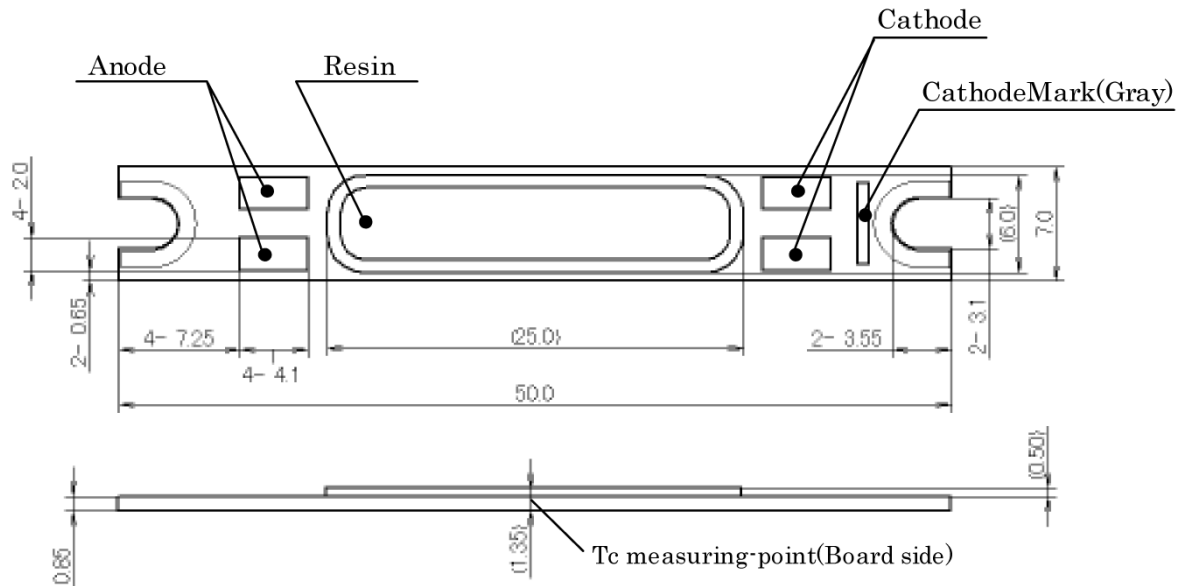
BS EN ISO 9001:2008
approved manufacturer



CL-L103-HC3N1-C-02



technical data



Please note this product comes complete with 150mm flying leads as standard (not shown in diagram). Longer lengths are available on request.

precautions

1. Avoid the application of any stress to the lens portion
2. Avoid any contact by a sharp metal nail or other materials with the lens portion
3. This product should be secured firmly by fastening an M3 screw on both sides of the product. Be careful not to apply any stress to the product during the clamping operation as the connection status could vary depending on materials of outer heat sink. Please check thoroughly.
4. A heat radiating grease should be applied to the whole rear surface so that this product can dissipate heat as a whole. This product could be bent during the clamping operation if heat grease in sheet form is used, thus we recommend the use of heat grease in paste form.
5. Please take measures to prevent any static electricity being produced such as the wearing of a wristband or anti static gloves when handling this product.

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