



# Technical Data Sheet for CM30-1.9

## Commercial Module for CATV & SLED Applications



### NOMINAL PERFORMANCE IN NITROGEN

|                           |     |     |
|---------------------------|-----|-----|
| Hot Side Temperature (°C) | 27  | 50  |
| $\Delta T_{max}$ (°C):    | 71  | 92  |
| Q <sub>max</sub> (watts): | 4.5 | 5.4 |
| I <sub>max</sub> (amps):  | 1.9 | 1.8 |
| V <sub>max</sub> (vdc):   | 3.6 | 4.5 |
| AC Resistance (ohms):     | 1.6 | --  |

### PRODUCT FEATURES

- RoHS EU Compliant
- Ceramic Material: Aluminum Oxide
- Au flash exterior, suitable for soldering.
- Maximum process temperature is 220°C.
- Porch configuration for high strength leadwire connection.

### ORDERING OPTIONS

| Model Number  | Description         |
|---------------|---------------------|
| CM30-1.9-01AC | Metallized Exterior |

### OPERATION CAUTIONS

For maximum reliability, storage and operation below 130°C in a non-condensing environment is recommended. To minimize thermal stress, use linear/proportional temperature control or a similar method rather than an ON/OFF method.

### INSTALLATION

Recommended mounting methods: Bonding with thermal epoxy or soldering with metallized ceramics. For additional information, please refer to our TEC Installation Guide.

II-VI Marlow – Dallas, TX USA  
214-340-4900  
877-627-5691  
marlow.sales@ii-vi.com

Marlow Industries Europe  
GmbH - Germany  
+49 (0) 6150 5439 - 403  
info@marlow-europe.eu

II-VI Japan Inc.  
81 43 297 2693 (tel)  
center@ii-vi.co.jp  
www.ii-vi.co.jp

II-VI Singapore Pte., Ltd.  
(65) 6481 8215 (tel)  
info@ii-vi.com.sg

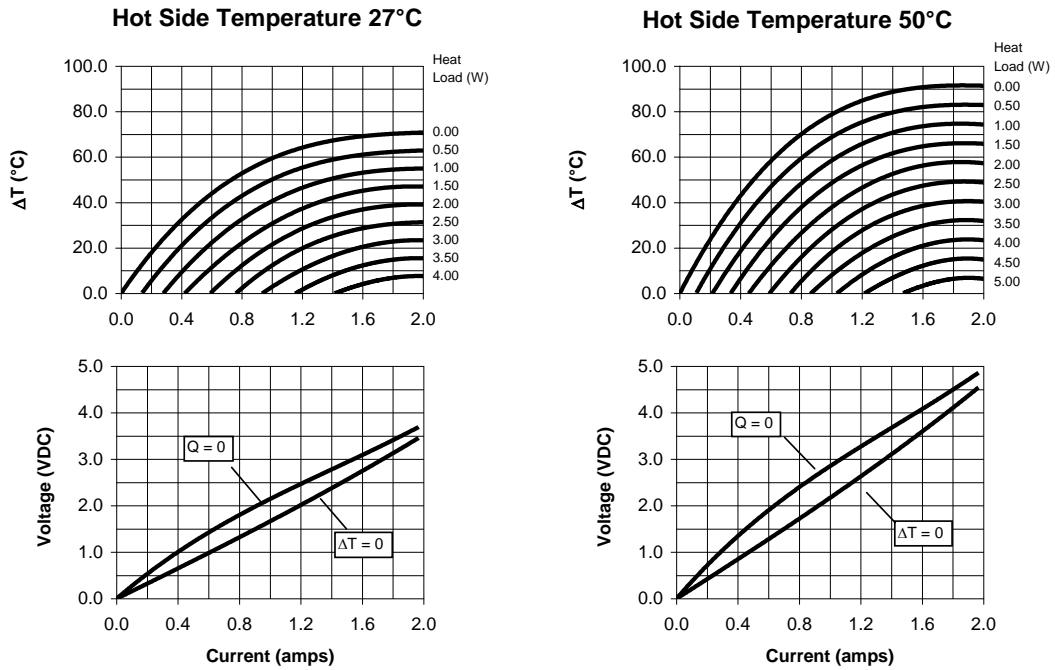
Marlow Industries China, II-VI  
Technologies Beijing  
86-10-643 98226  
info@iivbj.com





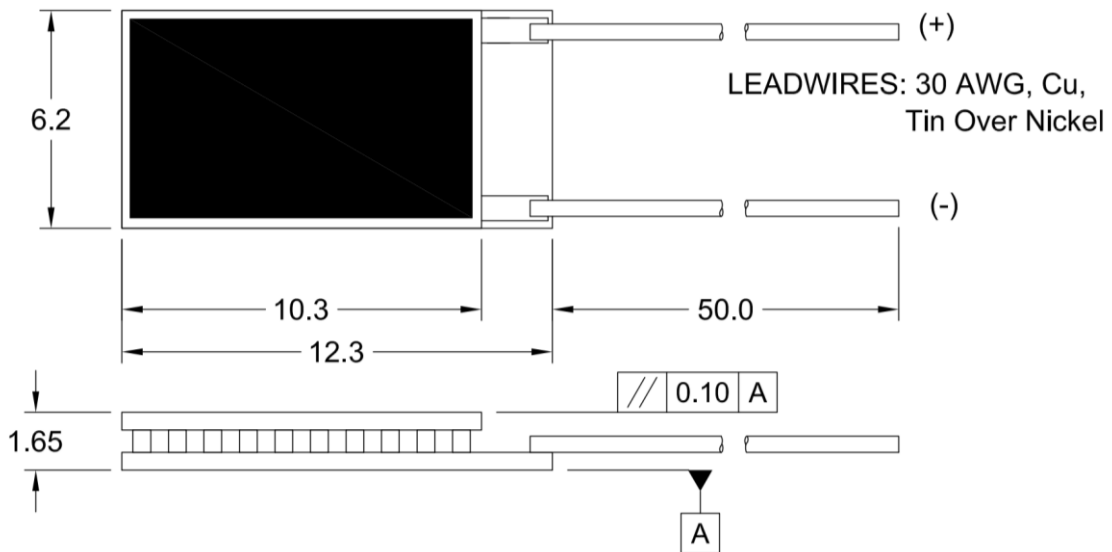
TYPICAL PERFORMANCE CURVES

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



For performance information in a vacuum or with hot side temperatures other than 27°C or 50°C, contact one of our Applications Engineers at 877-627-5691.

MECHANICAL CHARACTERISTICS



All dimensions are in millimeters unless otherwise stated.

For customer support or general questions please contact a local office or visit our website at [www.marlow.com](http://www.marlow.com).  
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