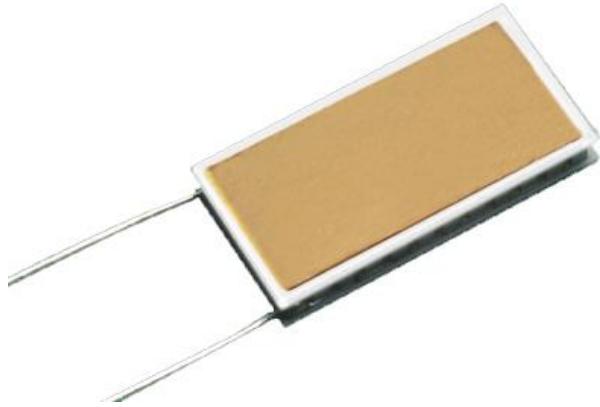




Technical Data Sheet for CM35-1.9

Commercial Module for CATV & SLED Applications



NOMINAL PERFORMANCE IN NITROGEN

Hot Side Temperature (°C)	27	85
Δ Tmax (°C):	71	92
Qmax (watts):	5.2	6.2
I _{max} (amps):	1.9	1.8
V _{max} (vdc):	4.2	5.3
AC Resistance (ohms):	1.87	---

PRODUCT FEATURES

- RoHS EU Compliant
- Ceramic Material: Aluminum Oxide (AC) or Aluminum Nitride (AN)
- Au flash exterior, suitable for soldering.
- Maximum process temperature is 220°C.
- Height includes metallization, where applicable, and excludes tinning.

ORDERING OPTIONS

Model Number	Description
CM35-1.9-01AC	TEM, Top and Base Metallized Exterior, ALO Ceramics
CM35-1.9-04AC	-01AC, Top and Base Pre-Tinned w/146°C Solder
CM35-1.9-05AC	-01AC, Top and Base Pre-Tinned w/138°C Solder
CM35-1.9-06AC	-01AC, Top and Base Pre-Tinned w/183°C Solder
CM35-1.9-07AC	-01AC, Top and Base Pre-Tinned w/118°C Solder
CM35-1.9-08AN	TEM, Top and Base Metallized Exterior, ALN Ceramics
CM35-1.9-09AN	TEM, No Metallized Exterior, ALN Ceramics

OPERATION CAUTIONS

For maximum reliability, storage and operation below 85°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

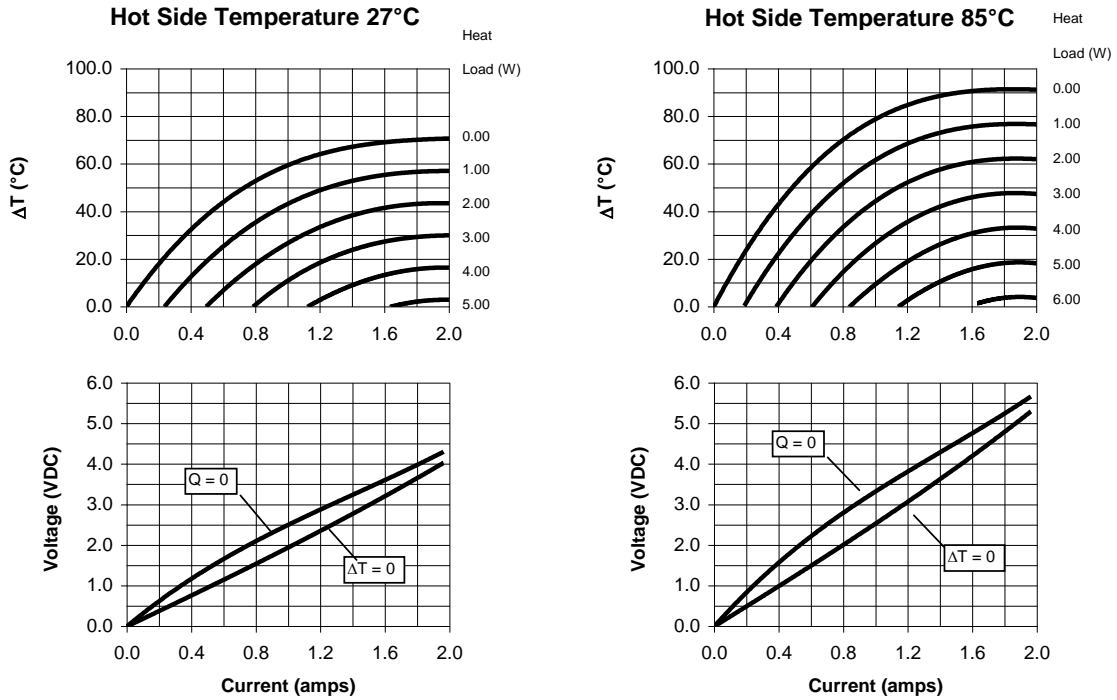
II-VI Singapore Pte., Ltd.
(65) 6481 8215 (tel)
info@ii-vi.com.sg

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



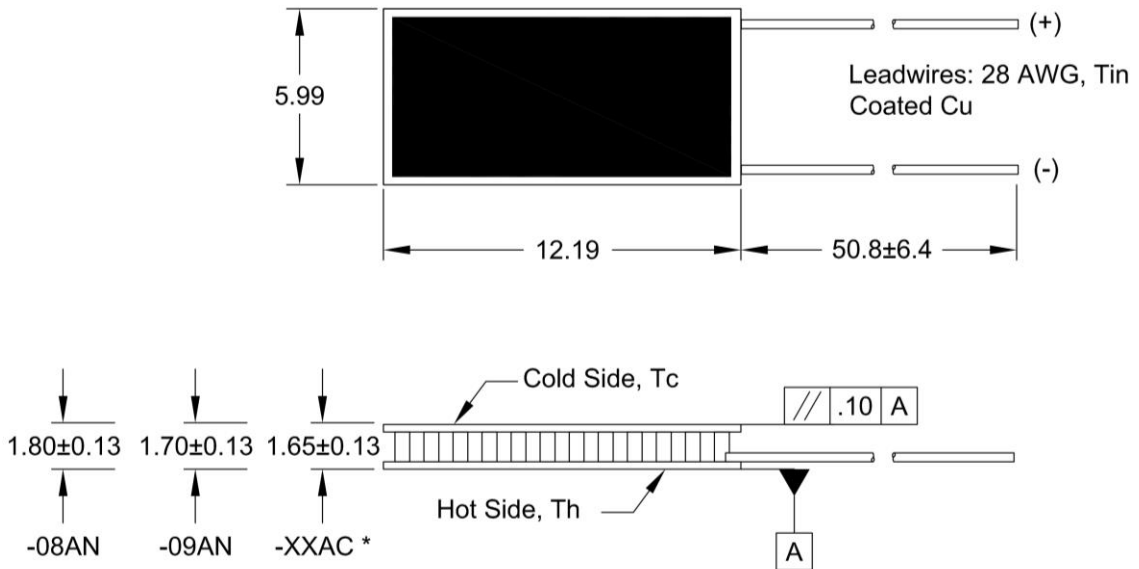
TYPICAL PERFORMANCE CURVES

ENVIRONMENT: ONE ATMOSPHERE DRY NITROGEN



For performance information in a vacuum or with hot side temperatures other than 27°C or 85°C, contact one of our Applications Engineers at 877-627-5691.

MECHANICAL CHARACTERISTICS



All dimensions are in millimeters unless otherwise stated.

* NOTE: Dimension is without pre-tinning.

For customer support or general questions please contact a local office or visit our website at www.marlow.com.

Marlow reserves the right to make product changes without notice.