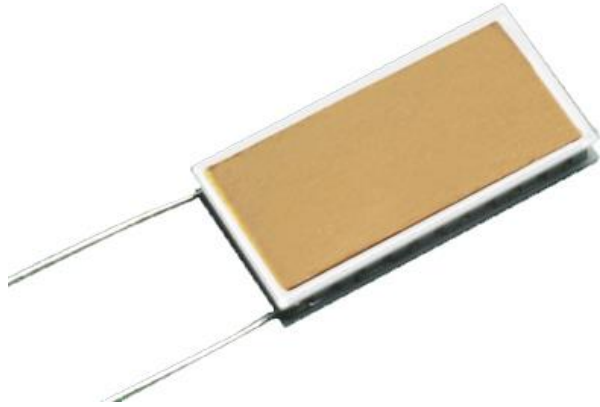




Technical Data Sheet for CM35-1.9

Commercial Module for CATV & SLED Applications



NOMINAL PERFORMANCE IN NITROGEN

| | | |
|---------------------------|------|-----|
| Hot Side Temperature (°C) | 27 | 85 |
| ΔT_{max} (°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.

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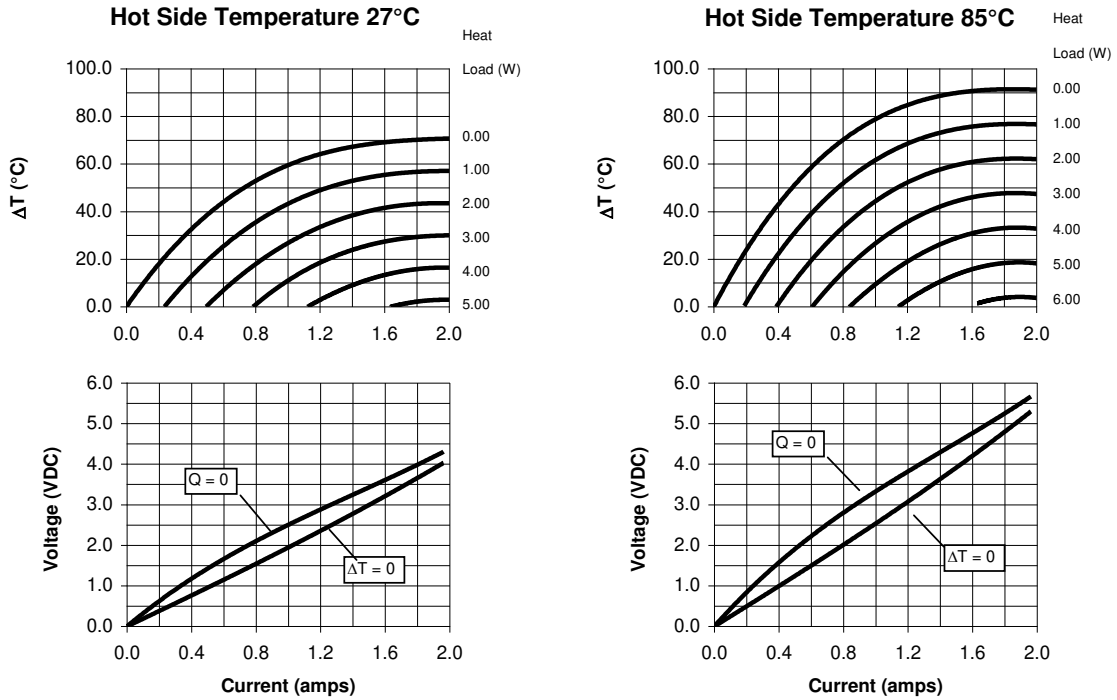
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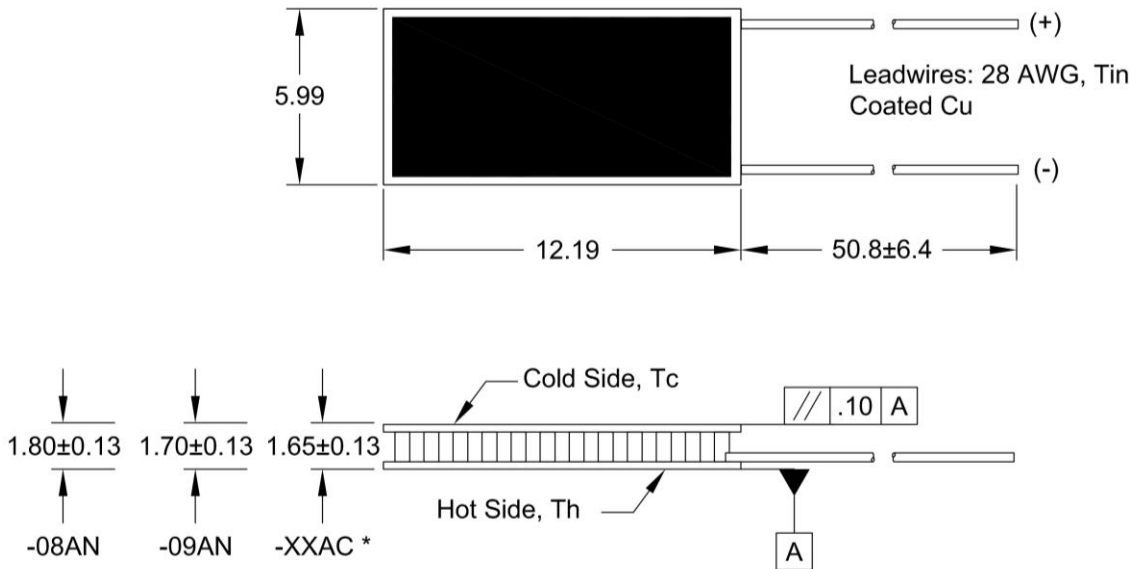
TYPICAL PERFORMANCE CURVES

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.