



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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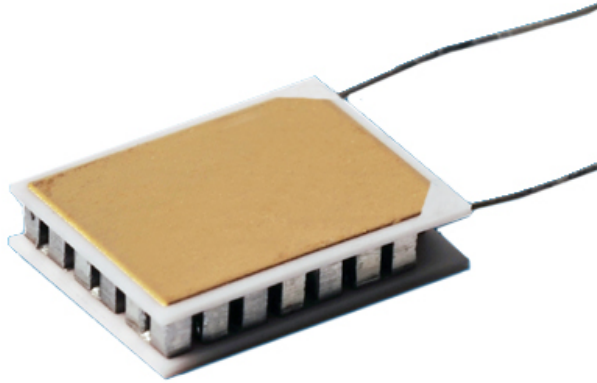
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Technical Data Sheet for CM23-1.9

Commercial Module for CATV & SLED Applications



NOMINAL PERFORMANCE IN NITROGEN

Hot Side Temperature (°C)	27	85
ΔT_{max} (°C):	71	92
Q _{max} (watts):	3.4	4.1
I _{max} (amps):	1.9	1.8
V _{max} (vdc):	2.8	3.5
AC Resistance (ohms):	1.23	--

PRODUCT FEATURES

- RoHS EU Compliant: CM23-1.9-01AC, -03AC, -04AC, -05AC, -07AC
- Not RoHS EU Compliant: CM23-1.9-06AC, -08AC, -09AC
- Ceramic Material: Aluminum Oxide
- 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
CM23-1.9-01AC	Metallized Exterior
CM23-1.9-03AC	Non Metallized Exterior
CM23-1.9-04AC	146°C Pretinned Exterior
CM23-1.9-05AC	138°C Pretinned Exterior
CM23-1.9-06AC	138°C /183°C Pretinned Exterior
CM23-1.9-07AC	138°C Pretinned Exterior and 2 sides encapsulated
CM23-1.9-08AC	118°C /183°C Pretinned Exterior
CM23-1.9-09AC	118°C /183°C Pretinned Exterior with Teflon Sleaving.

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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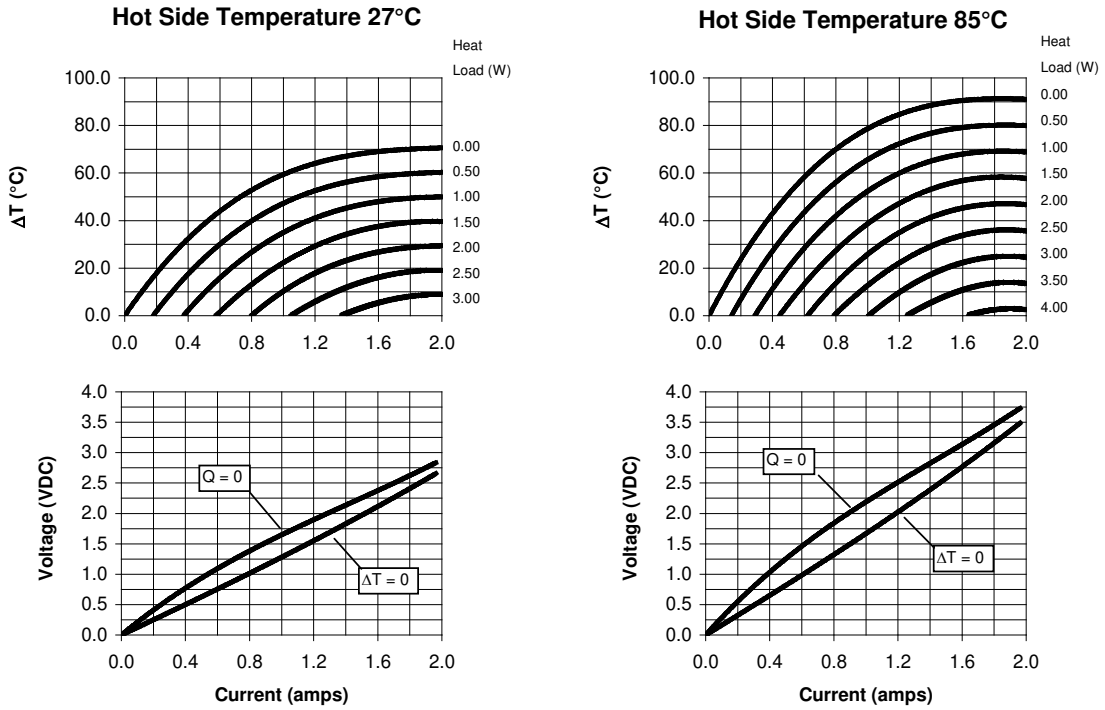
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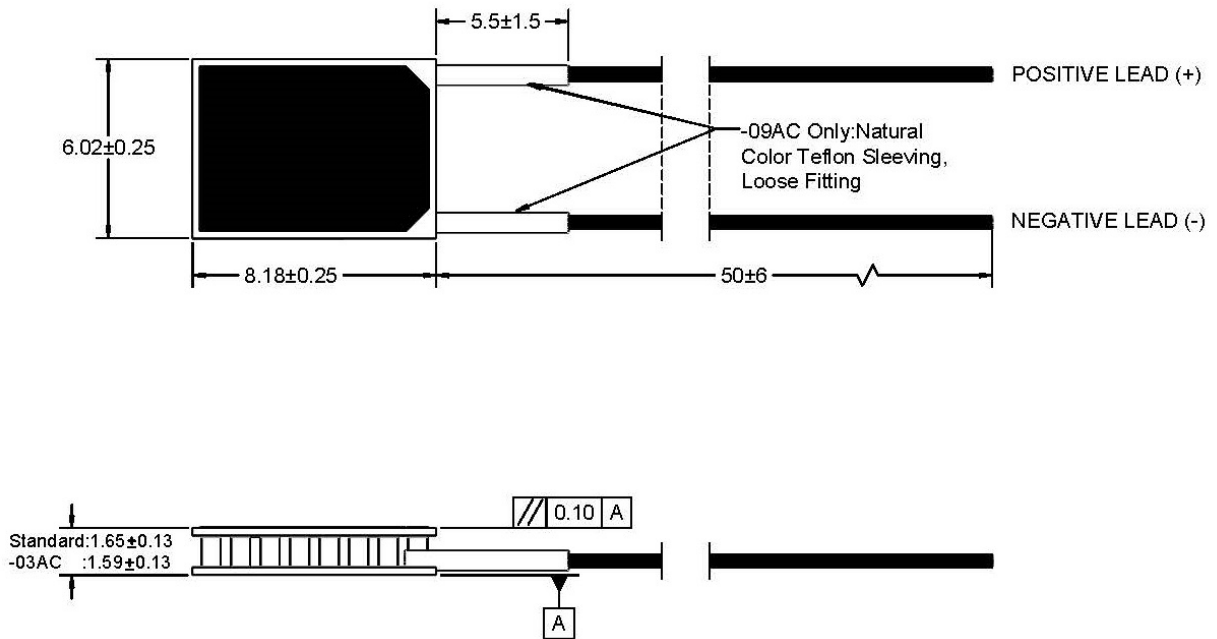
TYPICAL PERFORMANCE CURVES

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.

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