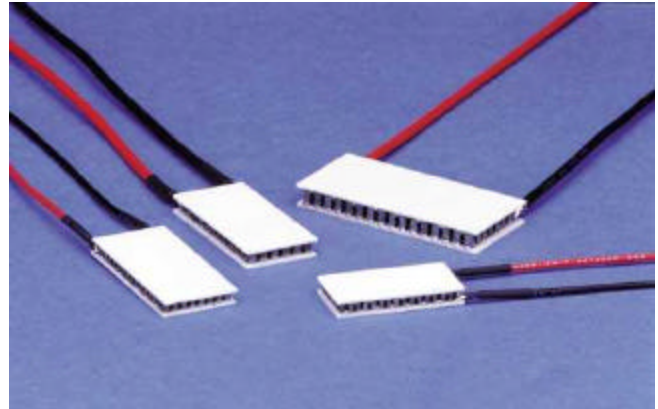
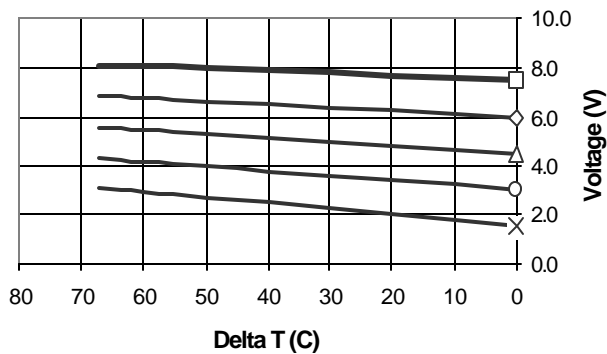


Performance Specifications

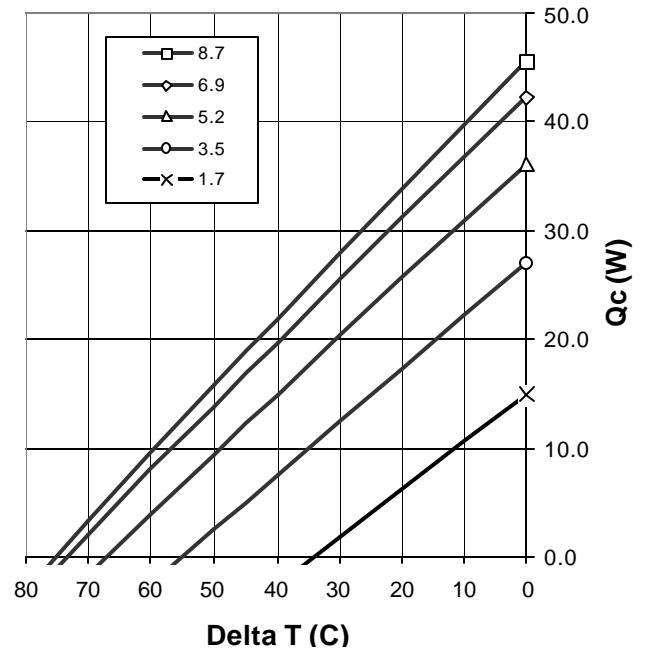
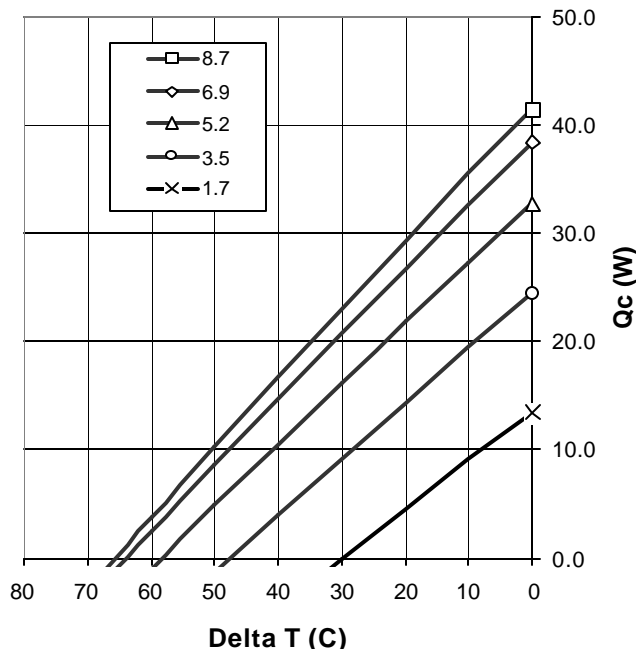
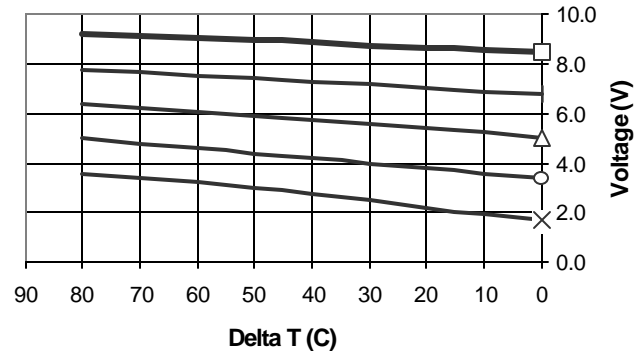
| Hot Side Temperature (°C) | 25° C | 50° C |
|---------------------------|-------|-------|
| Qmax (Watts) | 38.5 | 45.5 |
| Delta Tmax (°C) | 65 | 74 |
| I _{max} (Amps) | 8.5 | 8.6 |
| V _{max} (Volts) | 8.6 | 9.1 |
| Module Resistance (Ohms) | 0.87 | 0.98 |



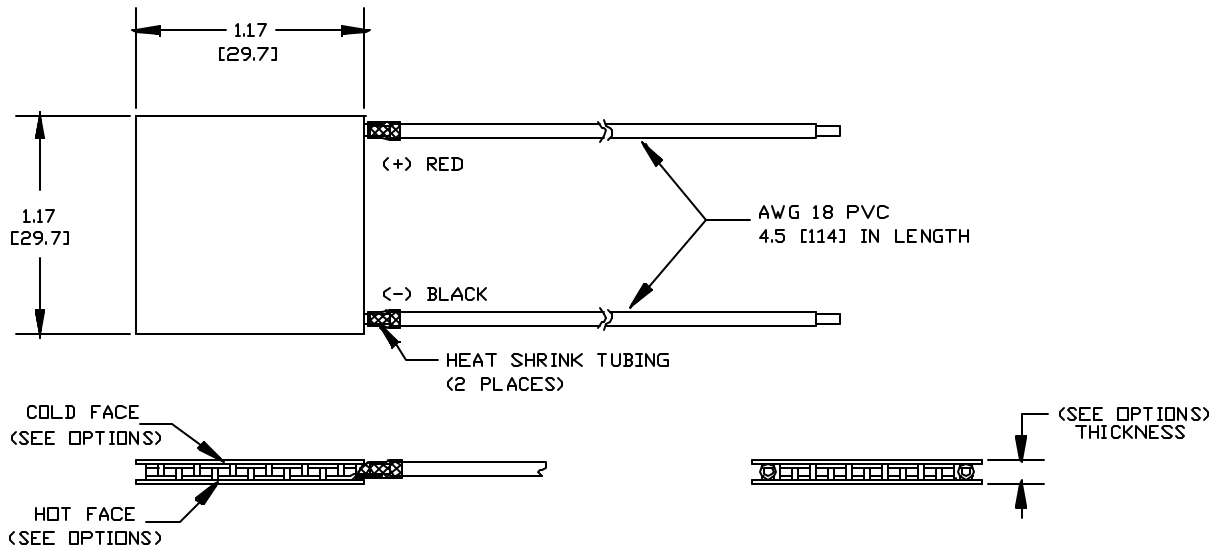
Performance Curves – Th = 25° C



Performance Curves – Th = 50° C



Mechanical Drawing



Ceramic Material: Alumina (Al₂O₃)
 Solder Construction: 138°C, Bismuth Tin (BiSn)

Thickness and Surface Finish Specifications

| Suffix | Thickness | Flatness & Parallelism | Hot Face | Cold Face | Lead Length |
|--------|------------------|------------------------|------------|------------|-------------|
| L | 0.131" ± 0.010" | 0.0015" / 0.0015" | Lapped | Lapped | 4.5" |
| -1 | 0.131" ± 0.001" | 0.001" / 0.001" | Lapped | Lapped | 4.5" |
| -2 | 0.131" ± 0.0005" | 0.0005" / 0.0005" | Lapped | Lapped | 4.5" |
| ML | 0.135 ± 0.010" | 0.002" / 0.002" | Metallized | Lapped | 4.5" |
| LM | 0.135 ± 0.010" | 0.002" / 0.002" | Lapped | Metallized | 4.5" |
| MM | 0.139 ± 0.010" | 0.002" / 0.002" | Metallized | Metallized | 4.5" |

Operating Tips

- Max. Operating Temperature: 80°C
- Do not exceed I_{max} or V_{max} when operating module.
- Please consult Melcor for moisture and corrosion protection options.
- Solder tinning also available on metallized ceramics.

Page Intentionally
Left Blank



For additional information please contact Melcor:

INTERNET: www.melcor.com

ONLINE STORE: www.store.melcor.com

E-MAIL: tecooler@melcor.com

N. AMERICA: Melcor Corp., 1040 Spruce Street, Trenton, NJ 08648

Phone: (609) 393-4178, Fax: (609) 393-9461

For a worldwide distributor listing please visit our Global Sales Office web page at

<http://www.melcor.com/global.html>

Melcor and the Melcor logo are trademarks of Melcor Corporation.