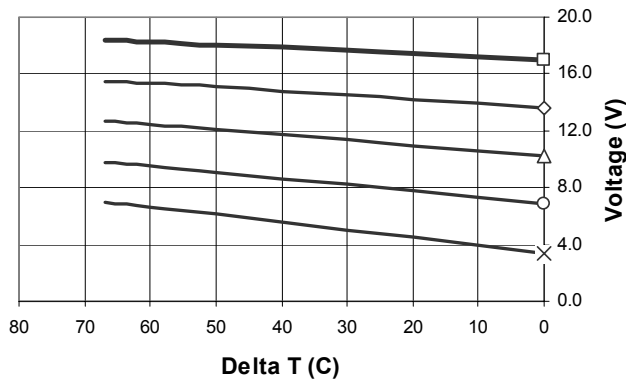


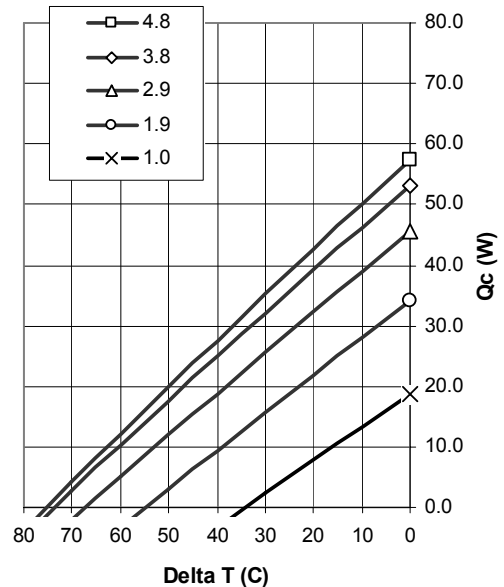
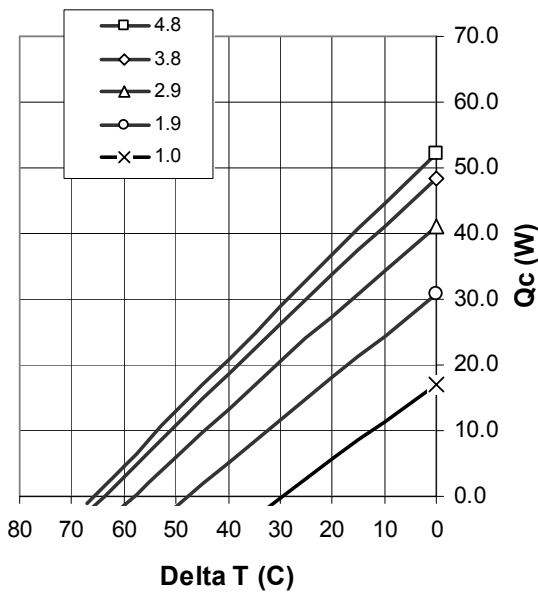
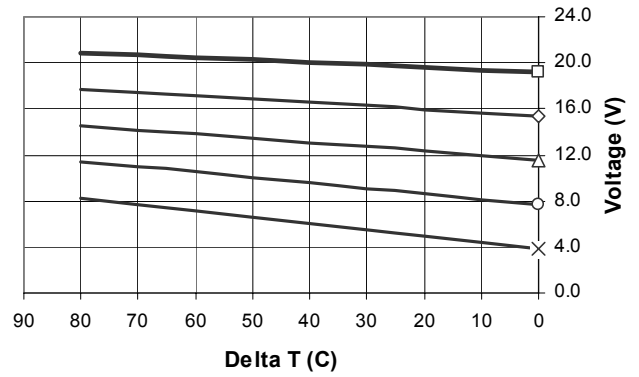
**Performance Specifications**

| Hot Side Temperature (°C) | 25°C | 50°C |
|---------------------------|------|------|
| Qmax (Watts)              | 52.2 | 57.4 |
| Delta Tmax (°C)           | 67   | 77   |
| I <sub>max</sub> (Amps)   | 4.8  | 4.8  |
| V <sub>max</sub> (Volts)  | 18.3 | 20.7 |
| Module Resistance (Ohms)  | 3.54 | 3.99 |

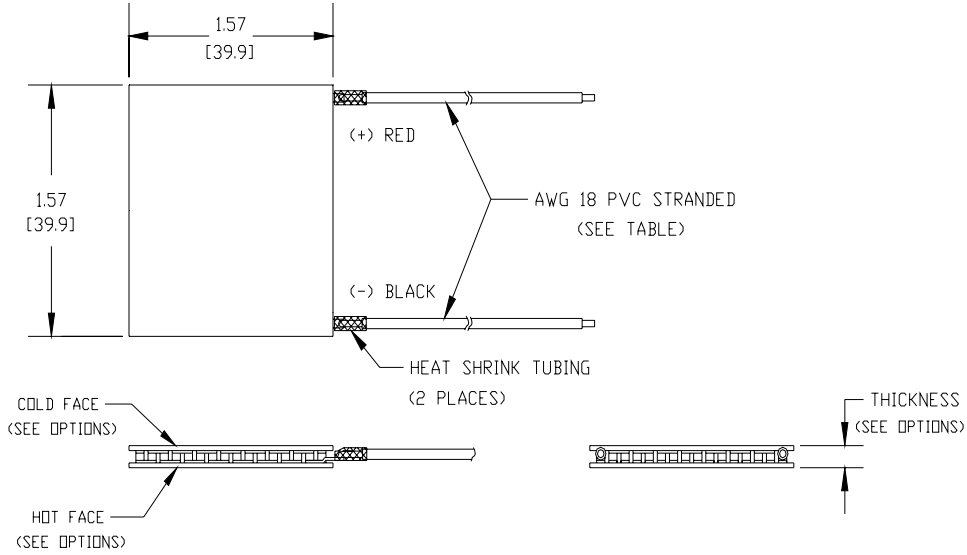
**Performance Curves – Th = 25°C**



**Performance Curves – Th = 50°C**



**Mechanical Drawing**



Ceramic Material: Alumina (Al<sub>2</sub>O<sub>3</sub>)  
 Solder Construction: 138°C, Bismuth Tin (BiSn)

**Thickness and Surface Finish Specifications**

| Suffix | Thickness (Prior to Tinning) | Flatness & Parallelism | Hot Face | Cold Face | Lead Length |
|--------|------------------------------|------------------------|----------|-----------|-------------|
| L1     | 0.142" ± 0.001"              | 0.001" / 0.001"        | Lapped   | Lapped    | 4.5"        |
|        | 3.6 ± 0.025 mm               | 0.025/0.025 mm         | Lapped   | Lapped    | 114.3 mm    |
| L2     | 0.142" ± 0.0005"             | 0.0005" / 0.0005"      | Lapped   | Lapped    | 4.5"        |
|        | 3.6 ± 0.013 mm               | 0.013/0.013 mm         | Lapped   | Lapped    | 114.3 mm    |

**Operation Tips**

- Max Operating Temperature: 80°C
- Do not exceed I<sub>max</sub> or V<sub>max</sub> when operating module.
- Please consult Laird for moisture and corrosion protection options.

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For additional information please contact Laird:

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