

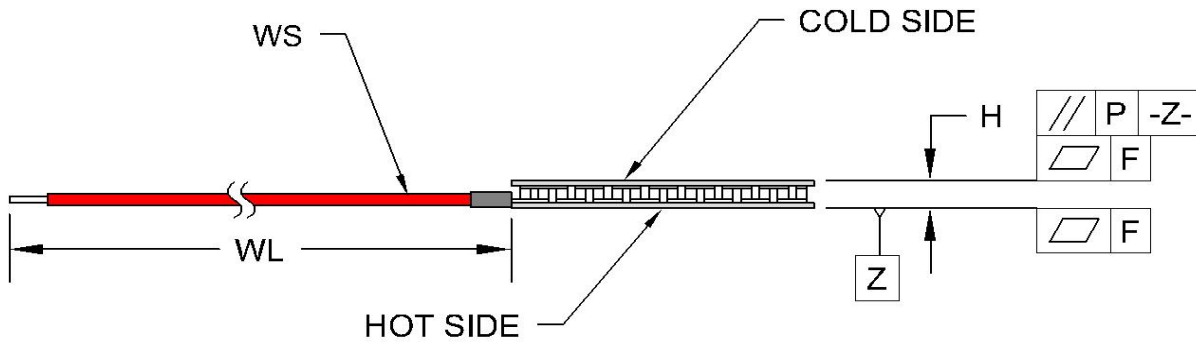
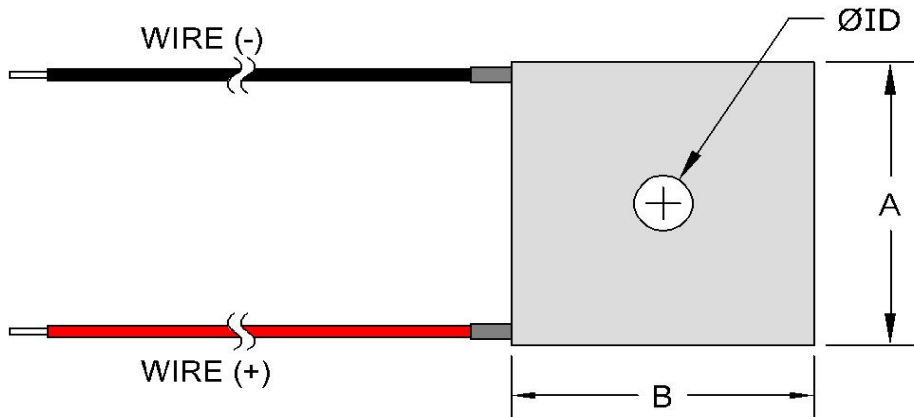
**CH-41-1.0-0.8  
Thermoelectric Module  
(Peltier Module)  
Specifications**

|                               | Material Specifications<br>(27 °C hot side temperature) | Material Specifications<br>(50 °C hot side temperature) |
|-------------------------------|---|---|
| Vmax (V)                      | 5.3   | 5.9   |
| I <sub>max</sub> (A)          | 5.7   | 5.7   |
| Q <sub>max</sub> (W)          | 18.6  | 20.4  |
| DT <sub>max</sub> (°C)        | 68  | 77  |
| Operation/storage temperature | -40 °C to +80 °C  |   |

Module *material* specifications are nominal values based on the hot-side temperature indicated. Thermoelectric material parameter tolerance is +/-10%.

In no case should the module temperature be allowed to exceed its maximum operation/storage temperature.

Please review all product and technical information, *Thermoelectric Module Mounting Procedure*, FAQ's and ordering information posted on our website before purchasing or using this product.



|                                  |                |
|----------------------------------|----------------|
| Width, A (mm)                    | 22.5 +0.5/-0.2 |
| Width, B (mm)                    | 17.5 +0.5/-0.2 |
| Inner Diameter, ID (mm)          | 9.5 +0.2/-0.5  |
| Height, H (mm)                   | 3.1 ±0.05      |
| Flatness, F (mm)                 | 0.02           |
| Parallelism, P (mm)              | 0.03           |
| Wire Size, WS (mm <sup>2</sup> ) | 0.35           |
| Wire Length, WL (mm)             | 120            |

**Optional Features and Notes:**

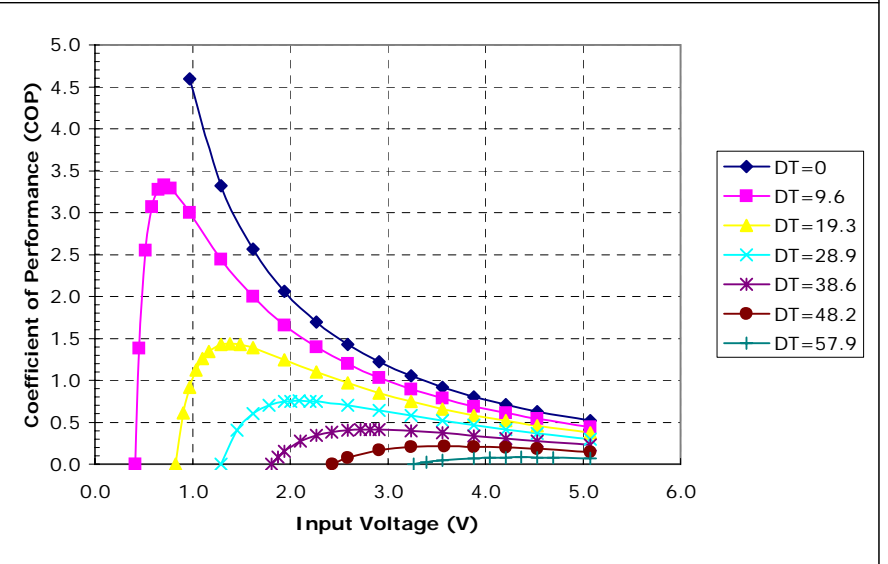
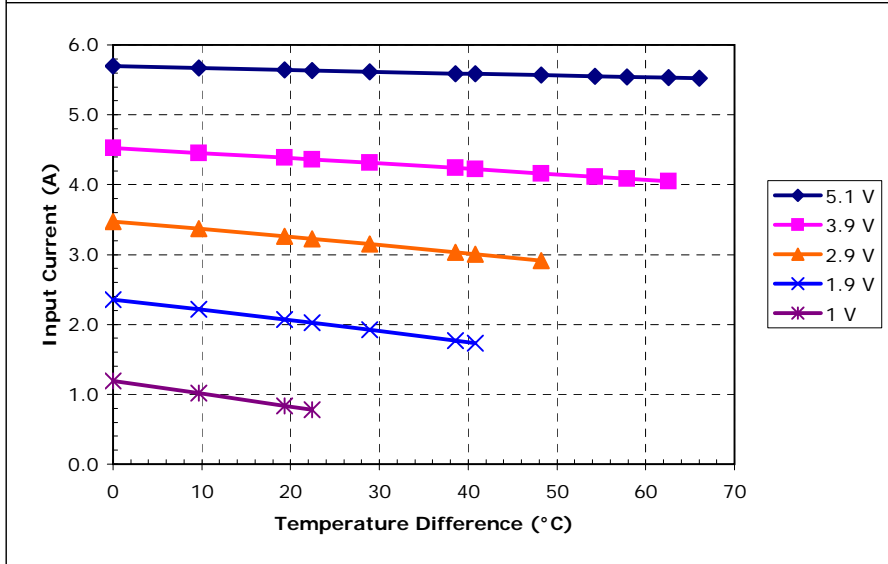
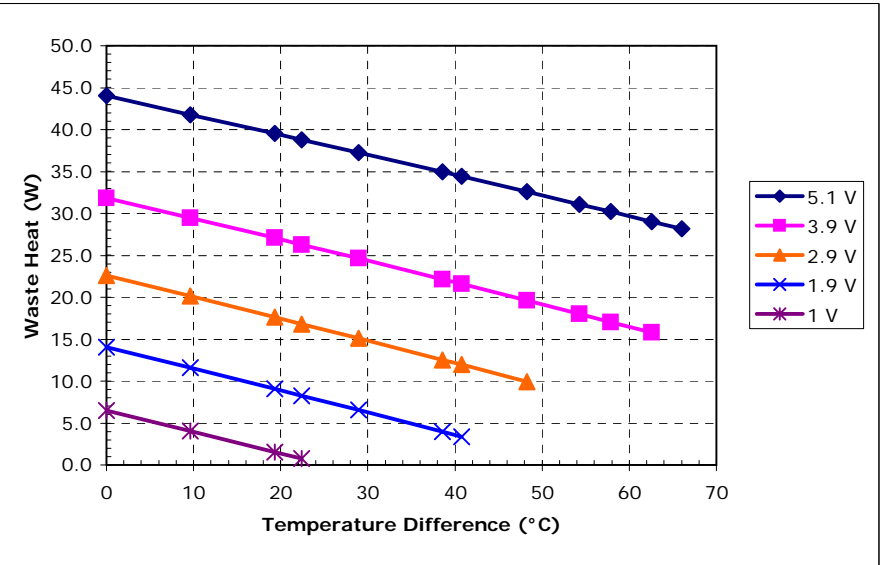
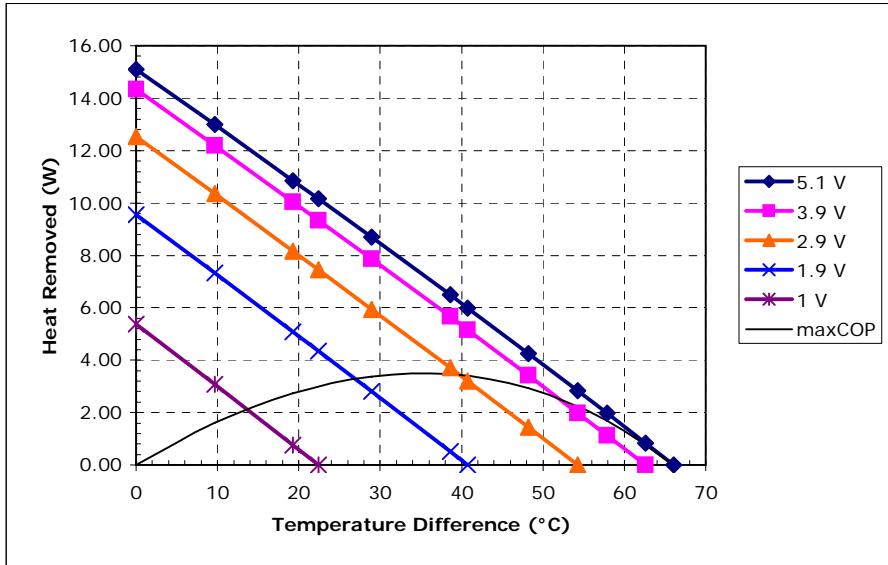
Add "P" to part number for sealing module with epoxy potting.

Performance graphs include thermal resistance of substrates.

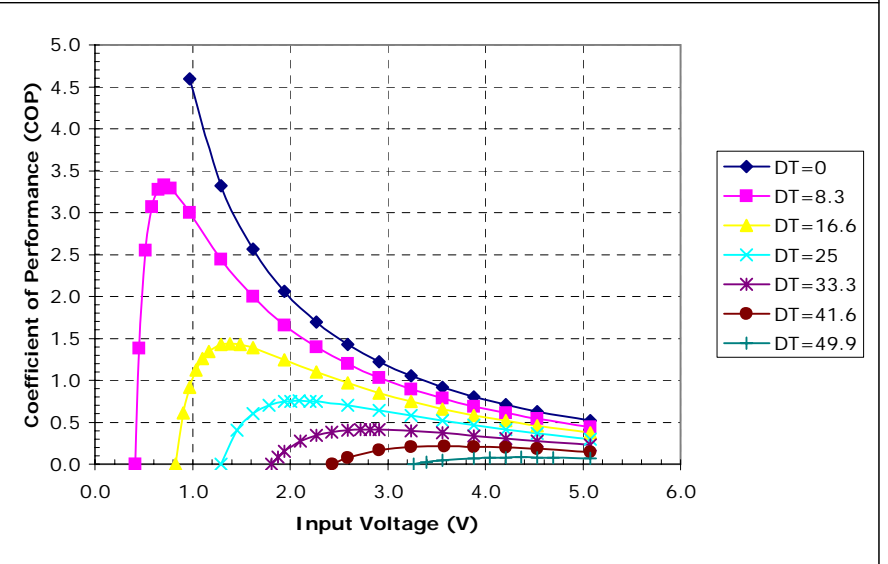
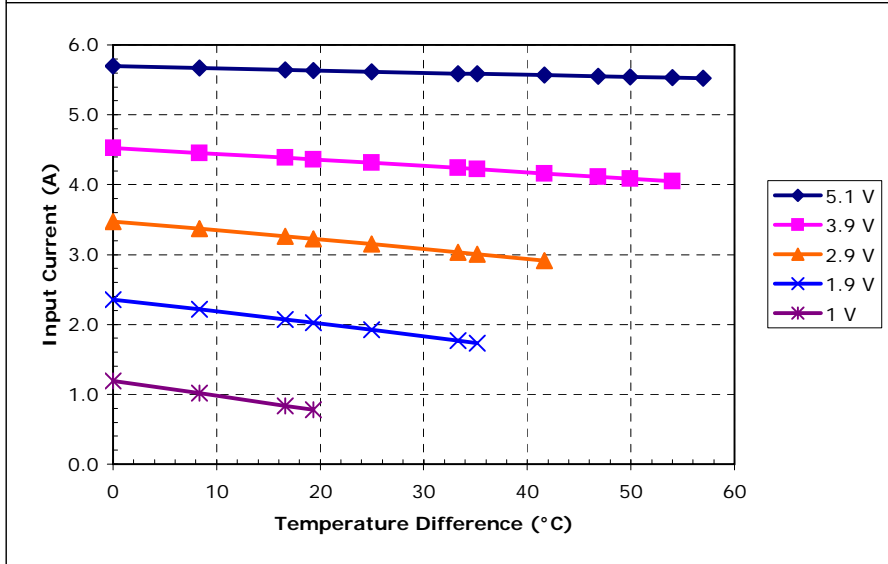
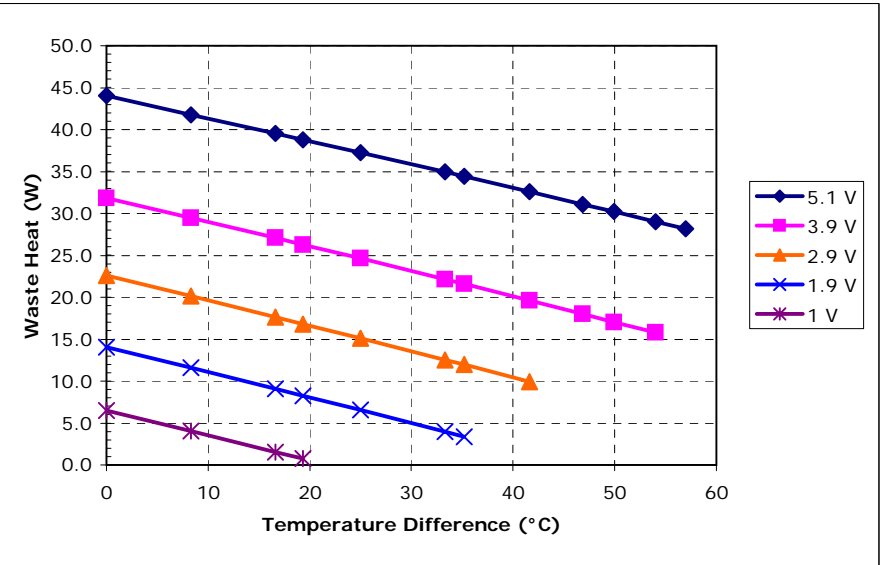
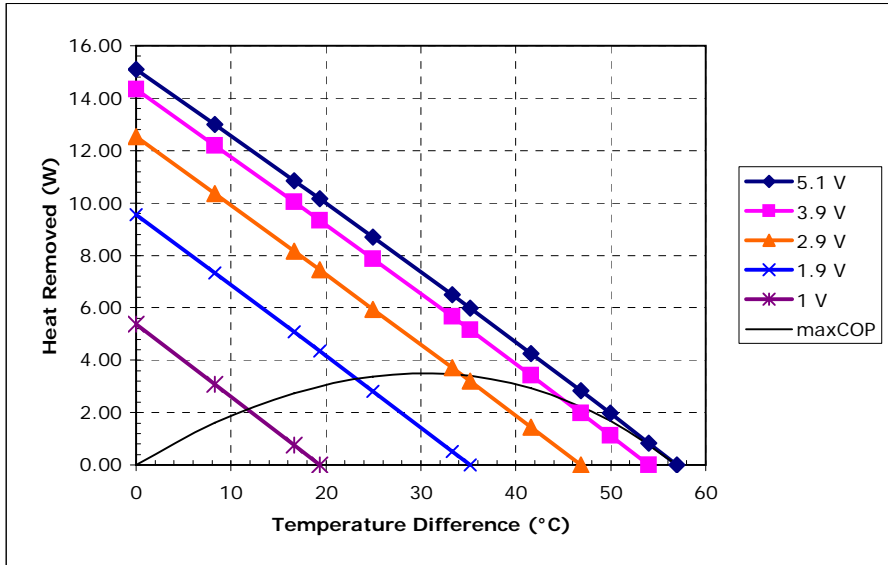
RoHS Compliant  
Directive 202/95/EC



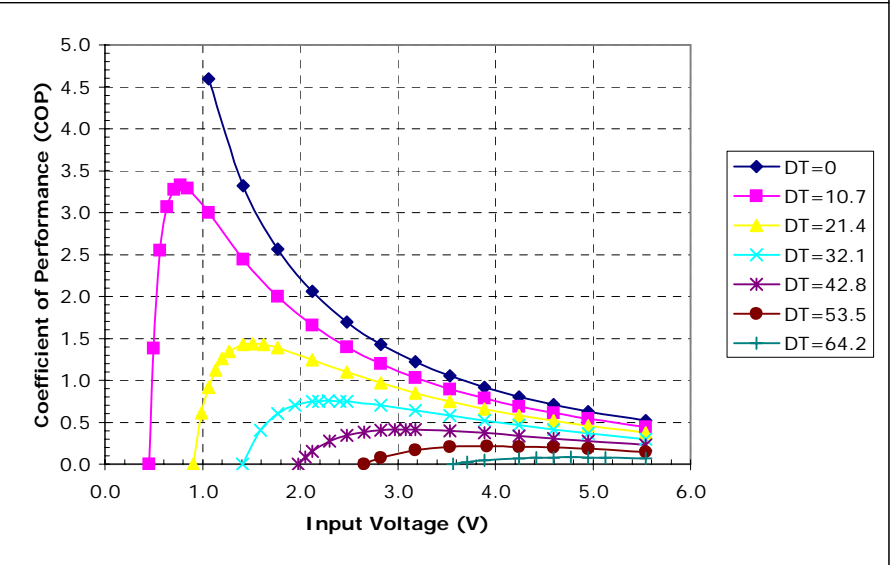
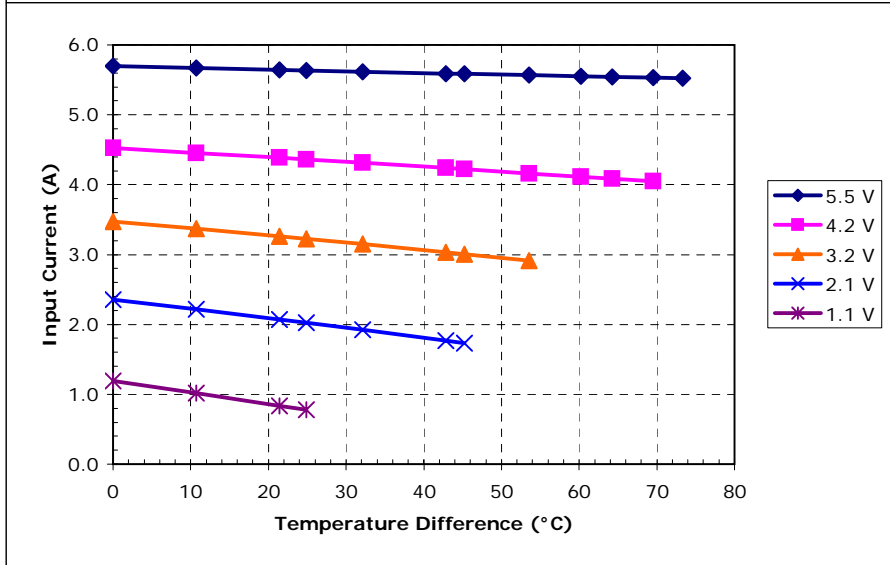
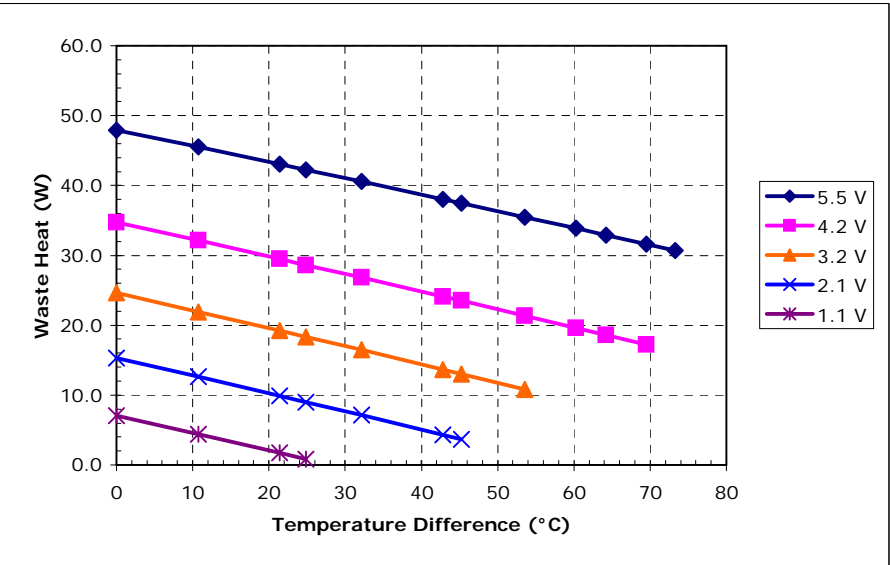
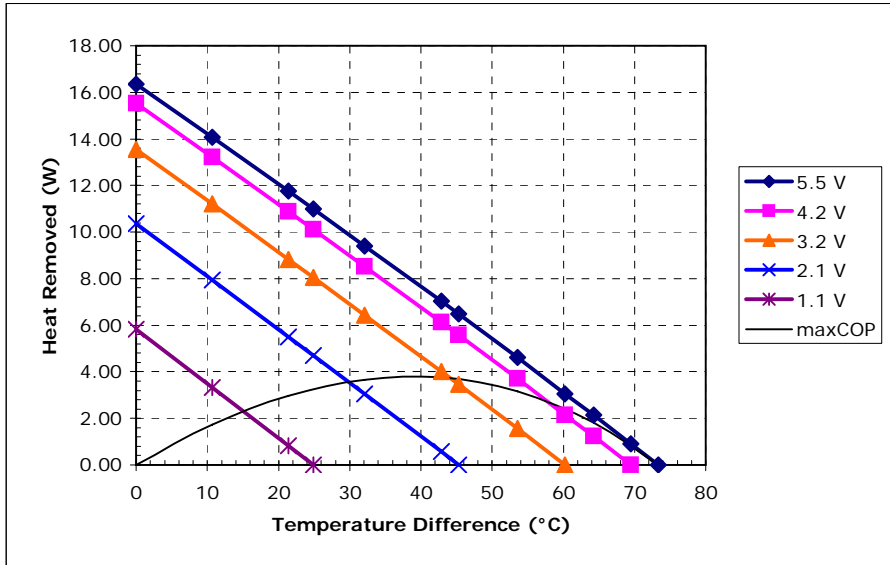
1590 Keane Drive, Traverse City, MI, 49696-8257 USA  
PH: 231-929-3966 FAX: 231-929-4163 email: cool@totech.com



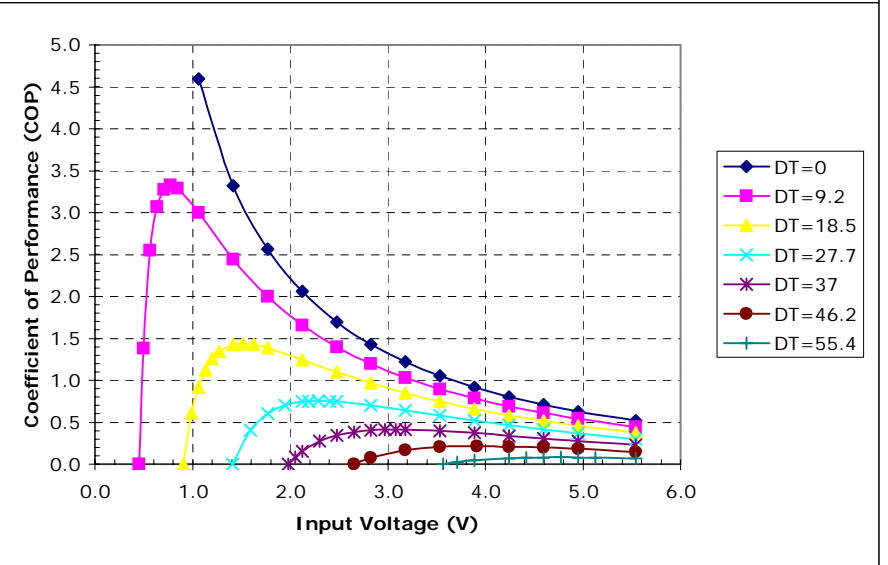
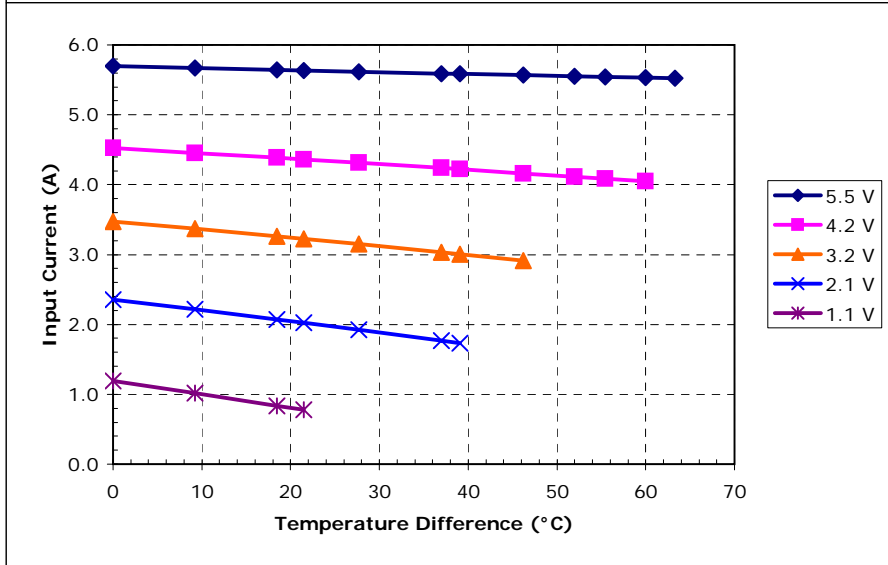
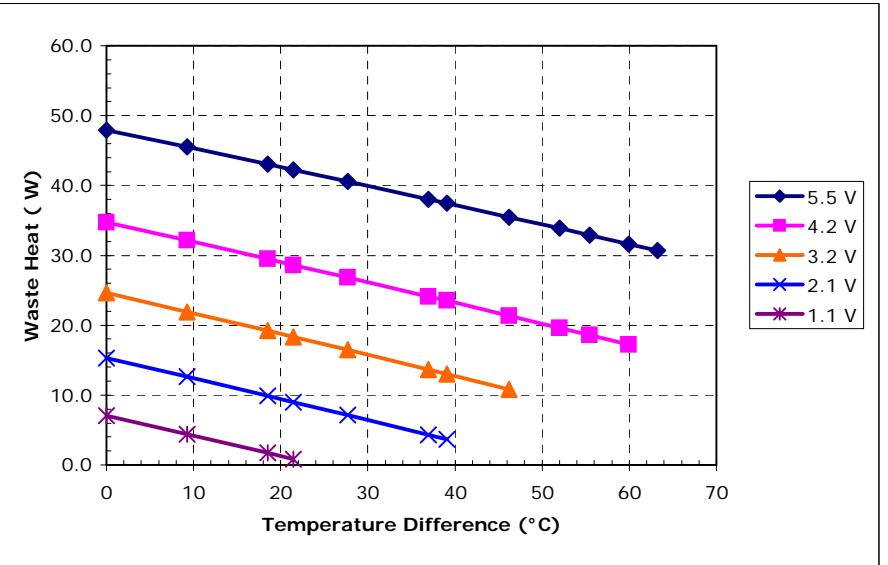
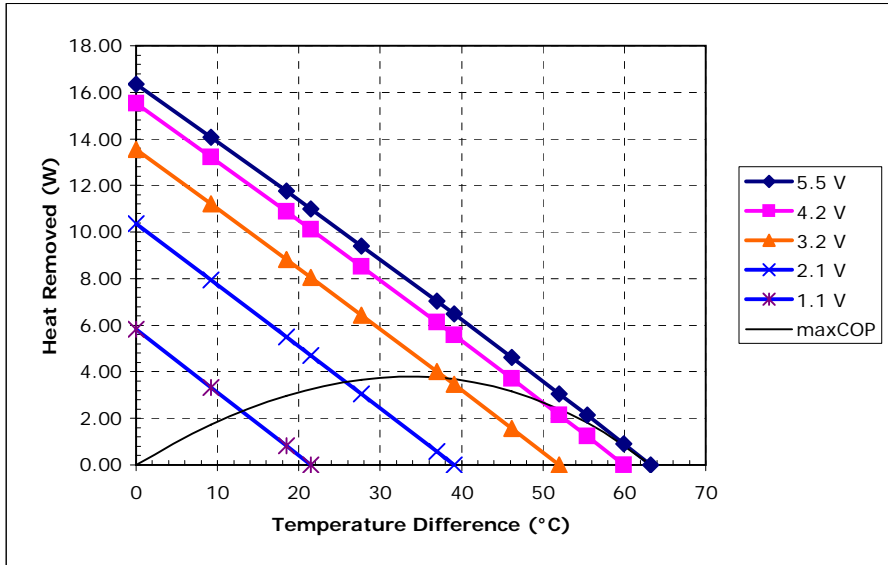
Unpotted CH-41-1.0-0.8 at a hot-side temperature of 30 °C



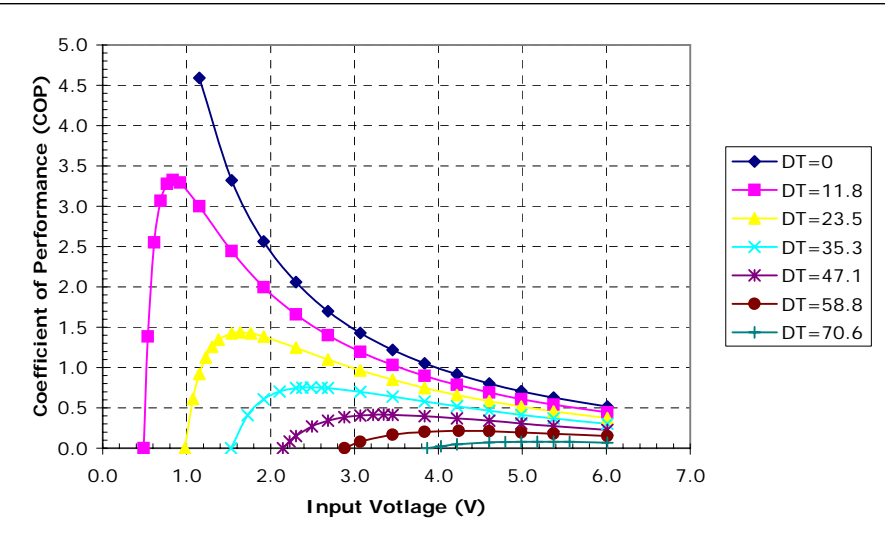
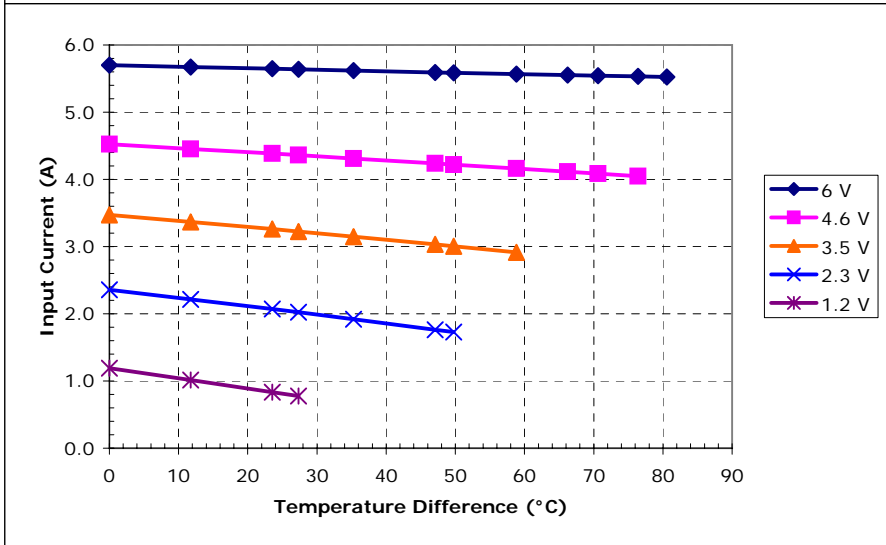
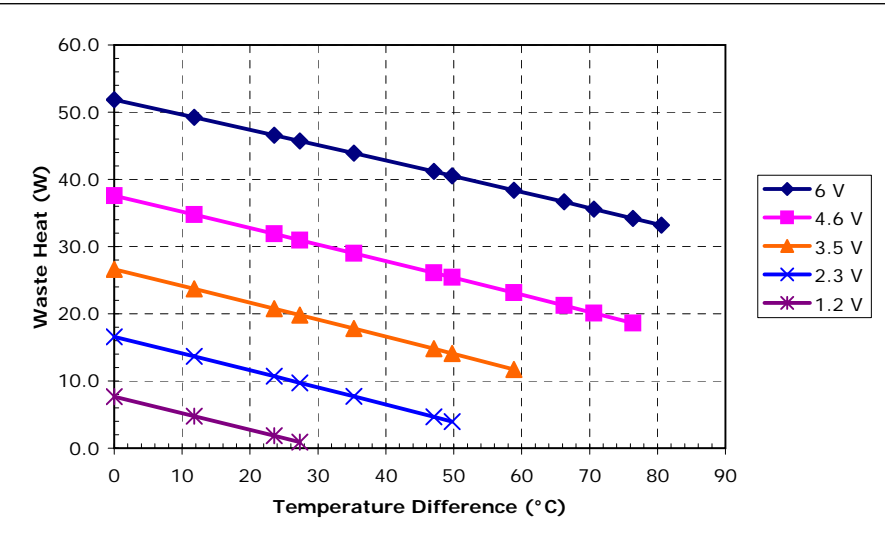
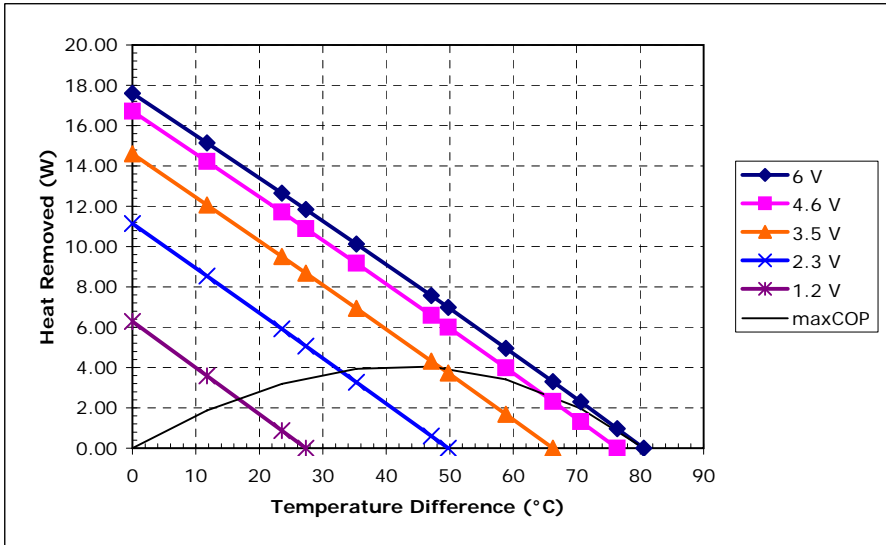
Potted CH-41-1.0-0.8 at a hot-side temperature of 30 °C



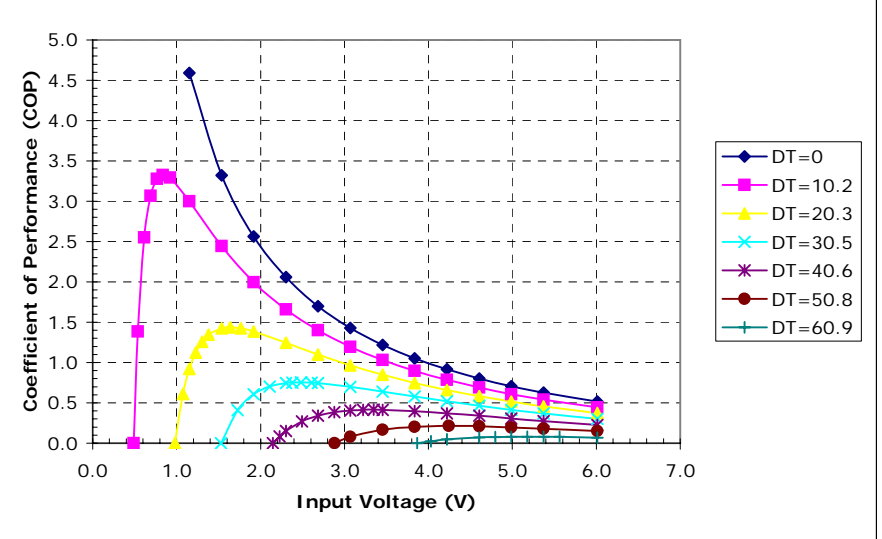
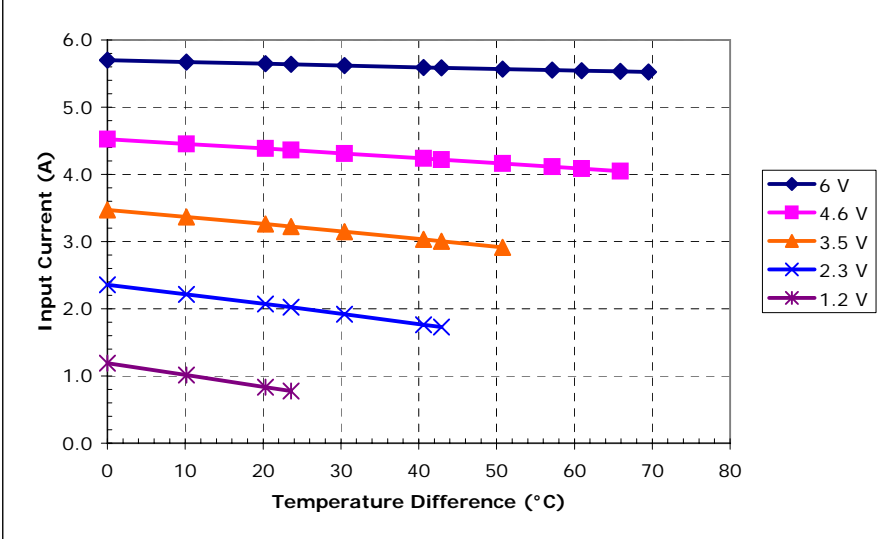
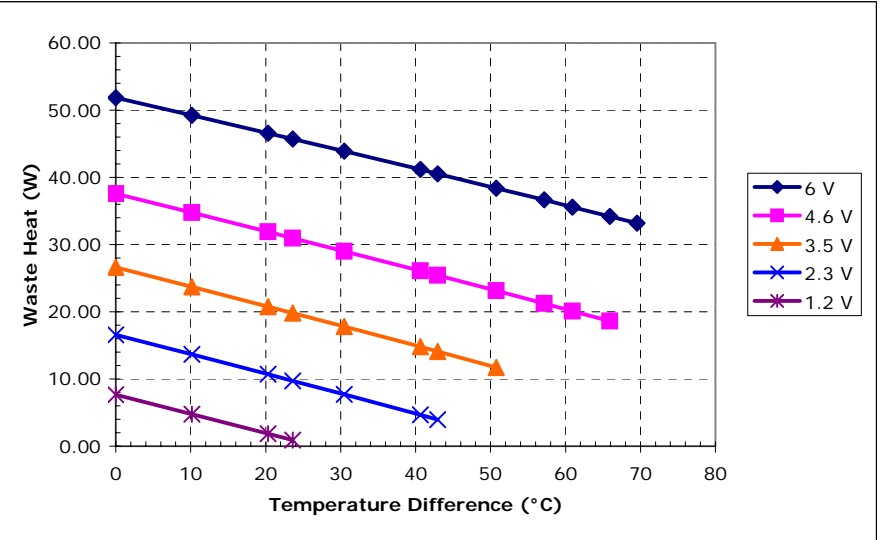
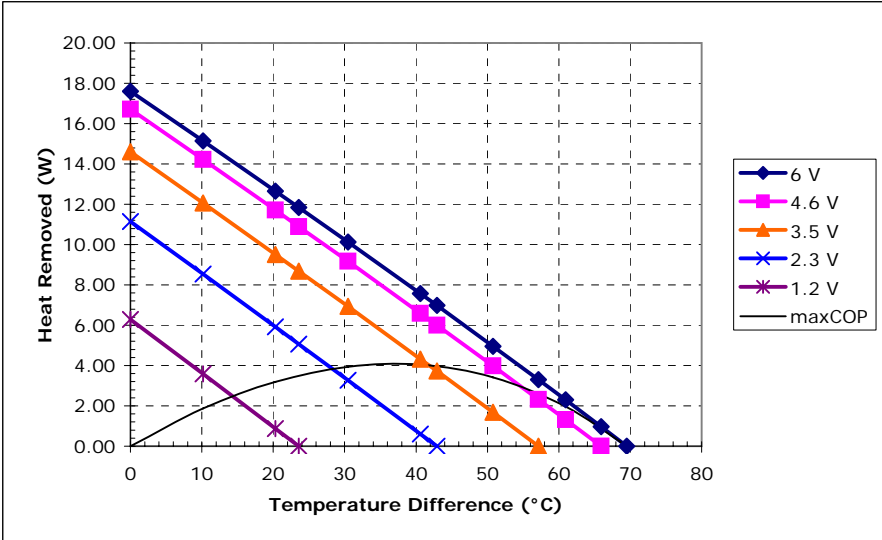
Unpotted CH-41-1.0-0.8 at a hot-side temperature of 50 °C



Potted CH-41-1.0-0.8 at a hot-side temperature of 50 °C



Unpotted CH-41-1.0-0.8 at a hot-side temperature of 70 °C



Potted CH-41-1.0-0.8 at a hot-side temperature of 70 °C