

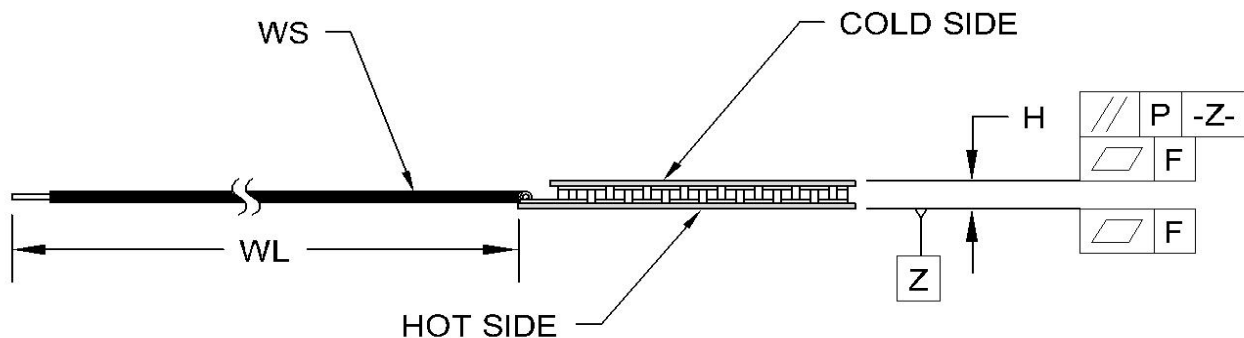
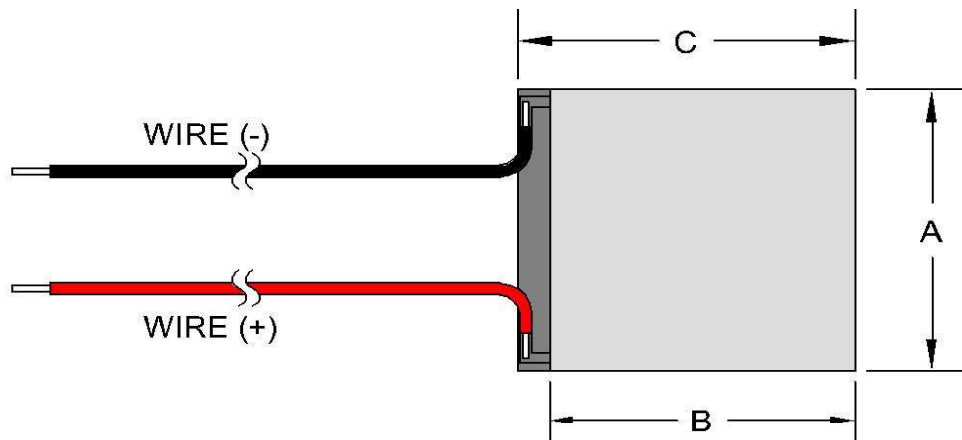
**HP-119-1.0-0.6
Thermoelectric Module
(Peltier Module)
Specifications**

| | Material Specifications (27 °C hot side temperature) | Material Specifications (50 °C hot side temperature) |
|-------------------------------|---|---|
| Vmax (V) | 14.8 | 16.4 |
| I _{max} (A) | 7.7 | 7.7 |
| Q _{max} (W) | 70.0 | 76.8 |
| DT _{max} (°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*, parameter definitions, FAQ's, and ordering information posted on our website before purchasing or using this product.



| | |
|----------------------------------|----------------|
| Width, A (mm) | 24 +0.5/-0.2 |
| Width, B (mm) | 24.5 +0.5/-0.2 |
| Width, C (mm) | 26.5 +0.5/-0.2 |
| Height, H (mm) | 2.15 ±0.05 |
| Flatness, F (mm) | 0.02 |
| Parallelism, P (mm) | 0.03 |
| Wire Size, WS (mm ²) | 24 AWG |
| Wire Length, WL (mm) | 120 |

Optional Features and Notes:

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

Wire insulation is PTFE.

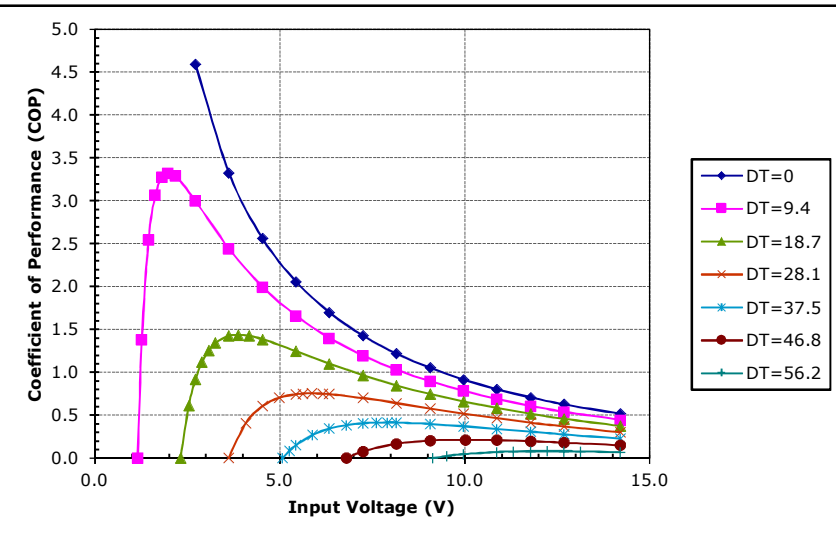
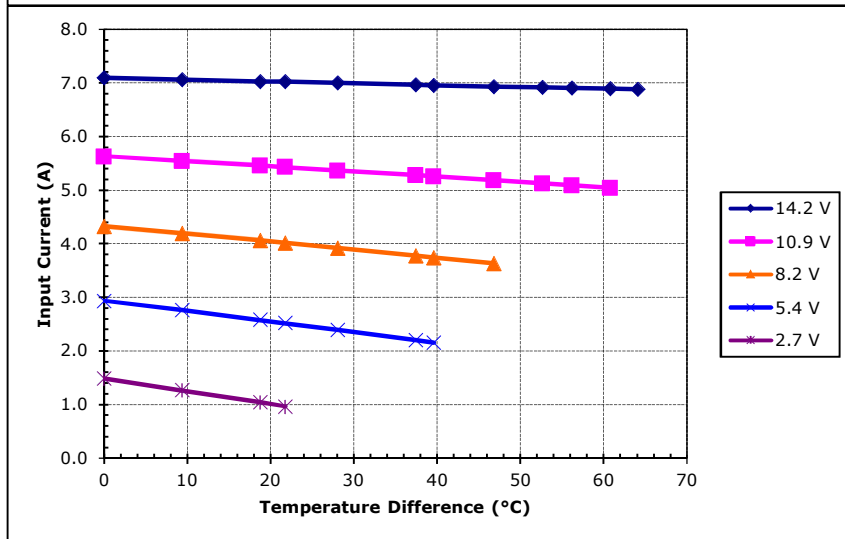
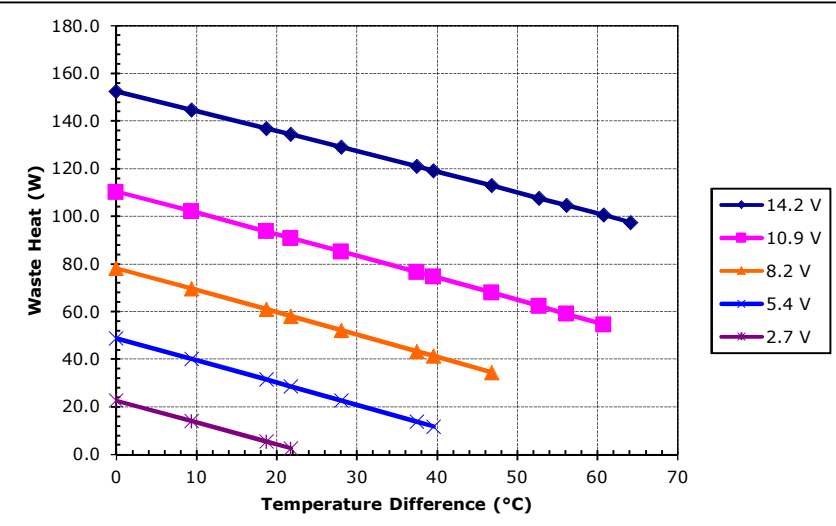
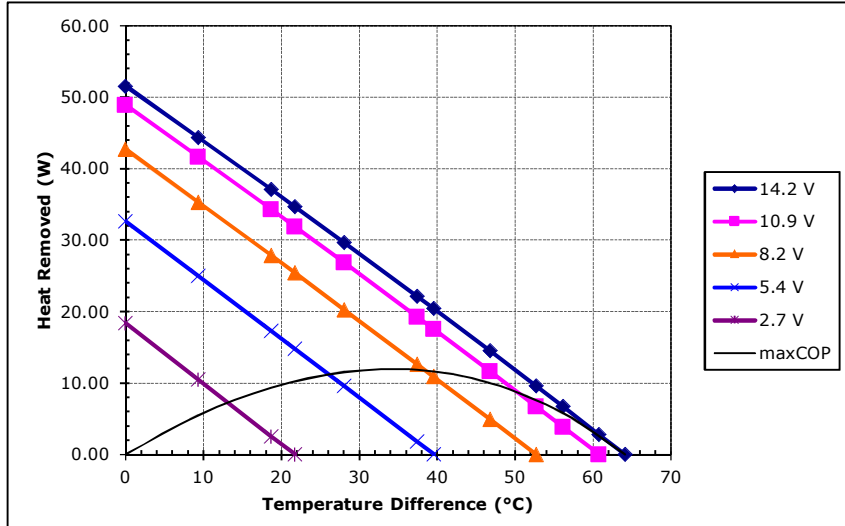
Performance graphs include thermal resistance of substrates.

RoHS Compliant

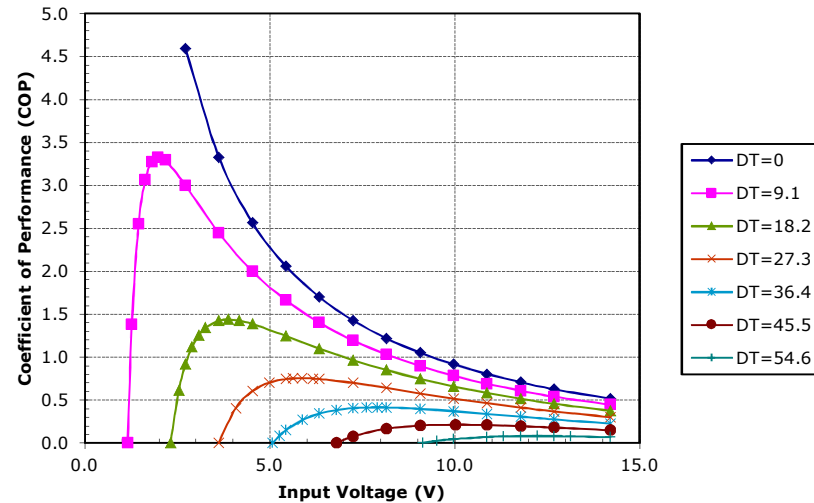
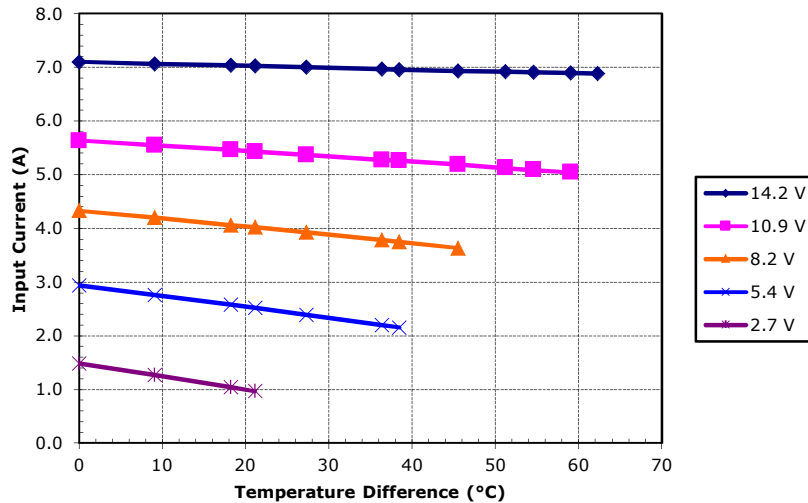
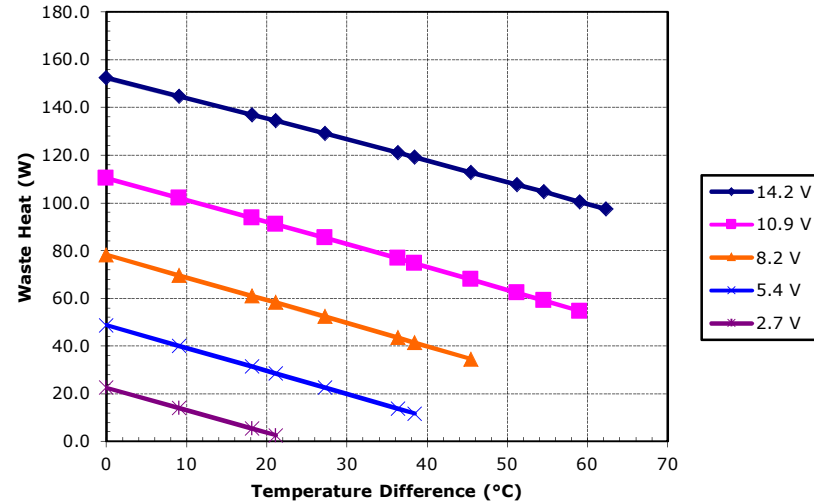
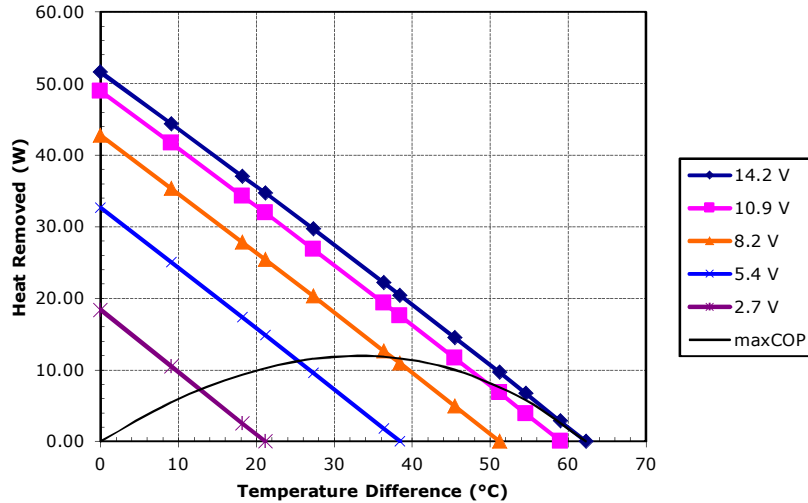
TE TECHNOLOGY, INC.®

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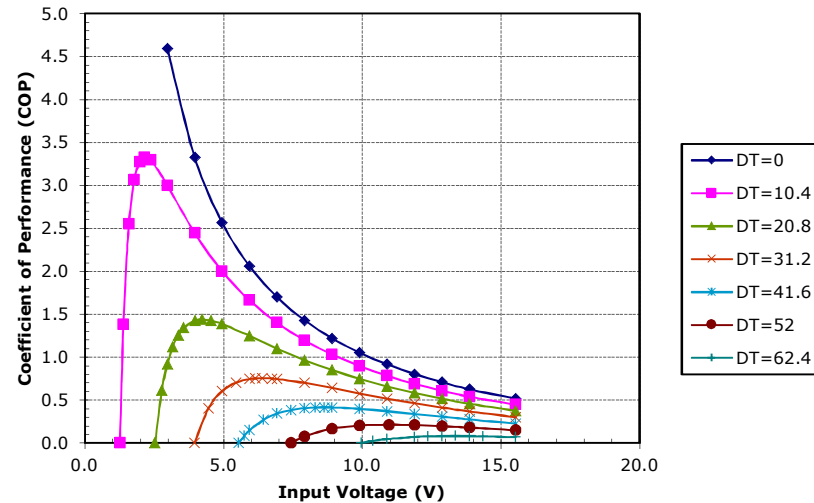
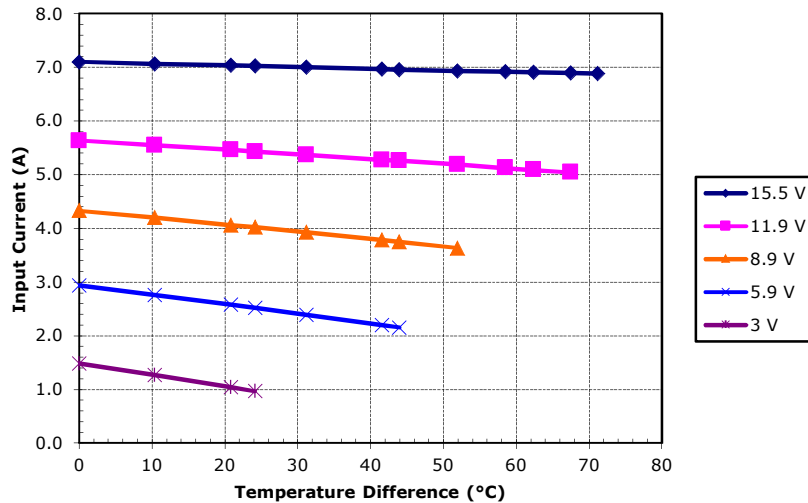
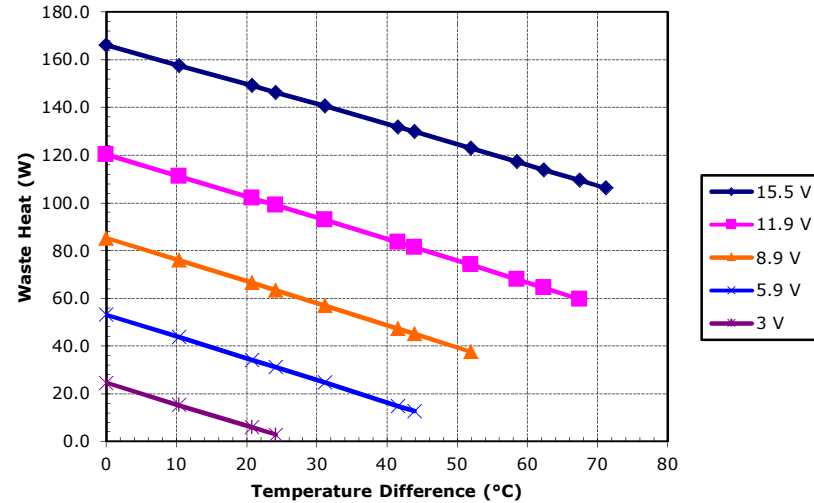
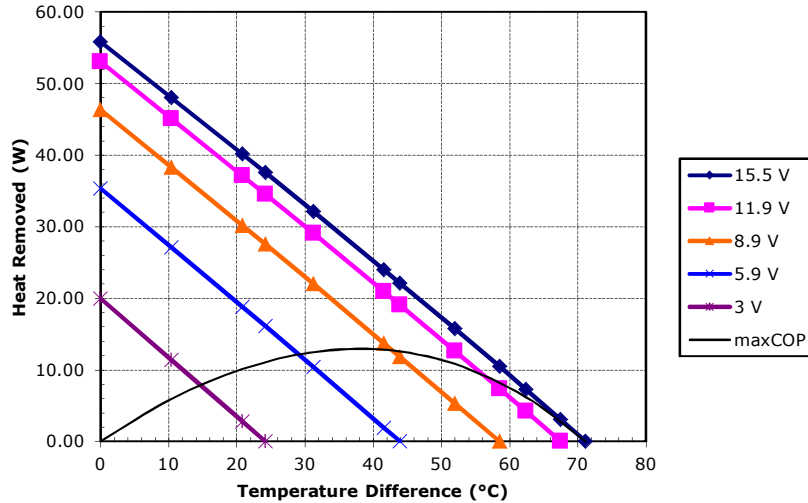
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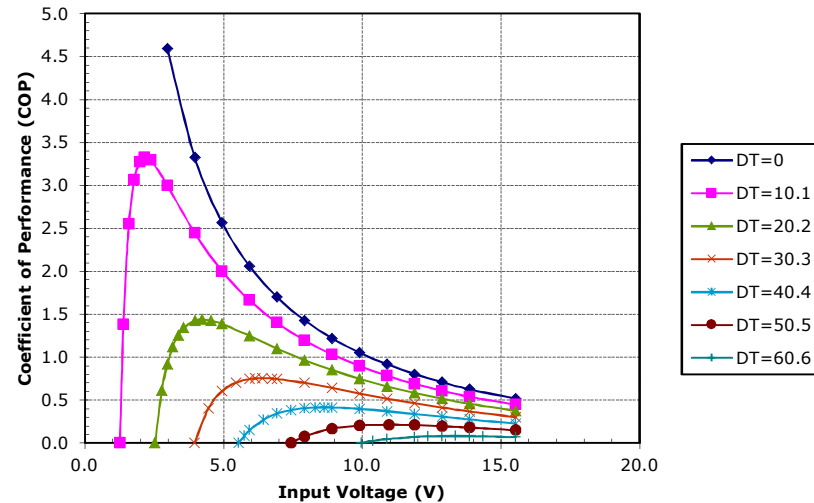
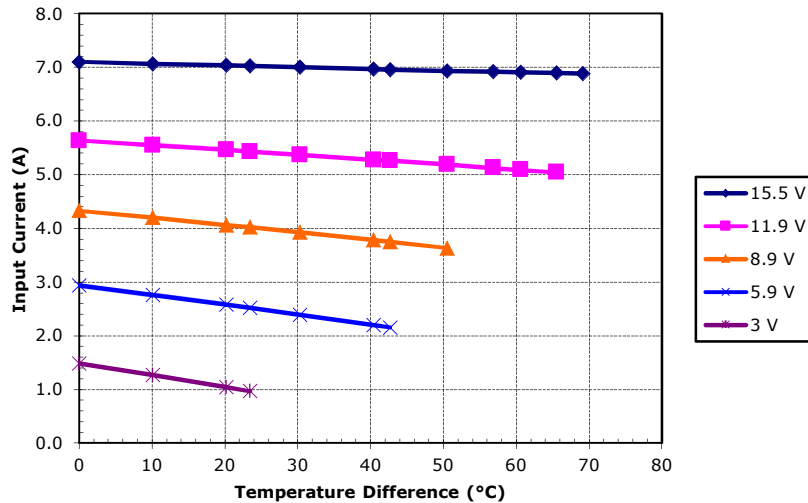
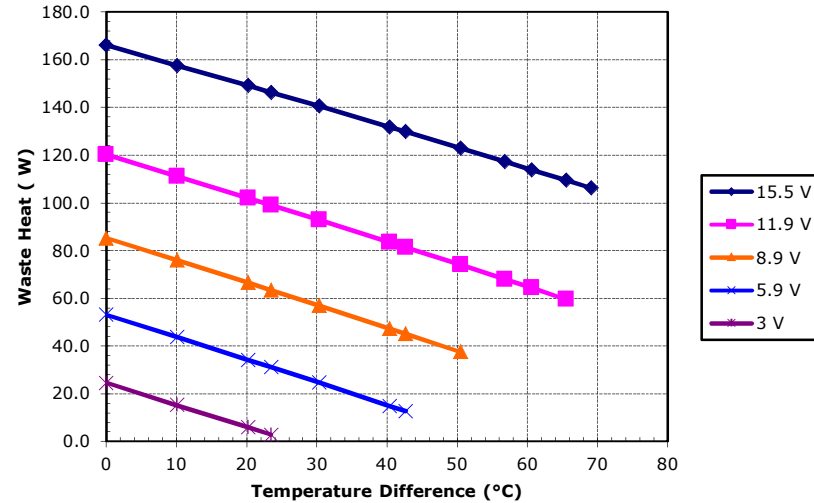
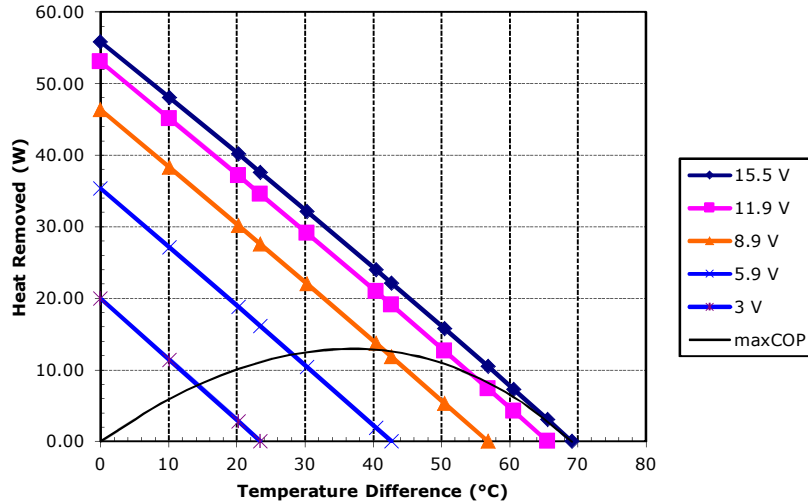
Unpotted HP-119-1.0-0.6 at a hot-side temperature of 30 °C



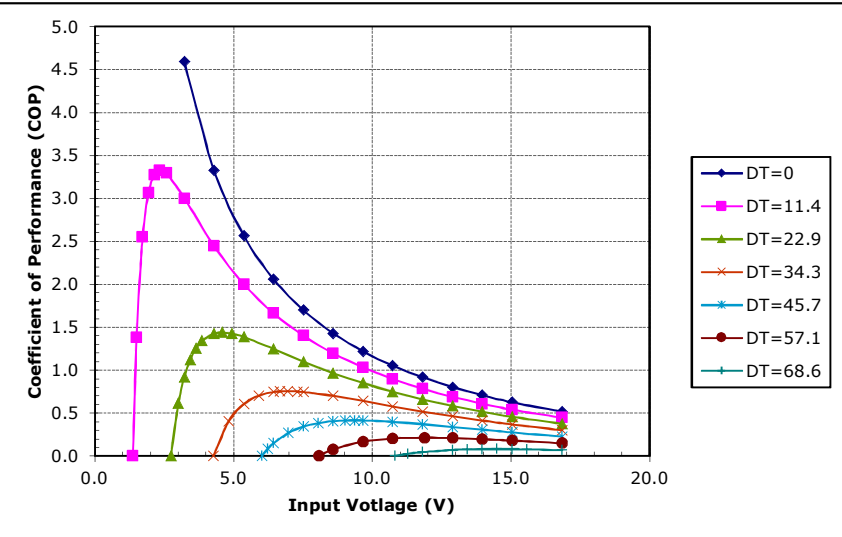
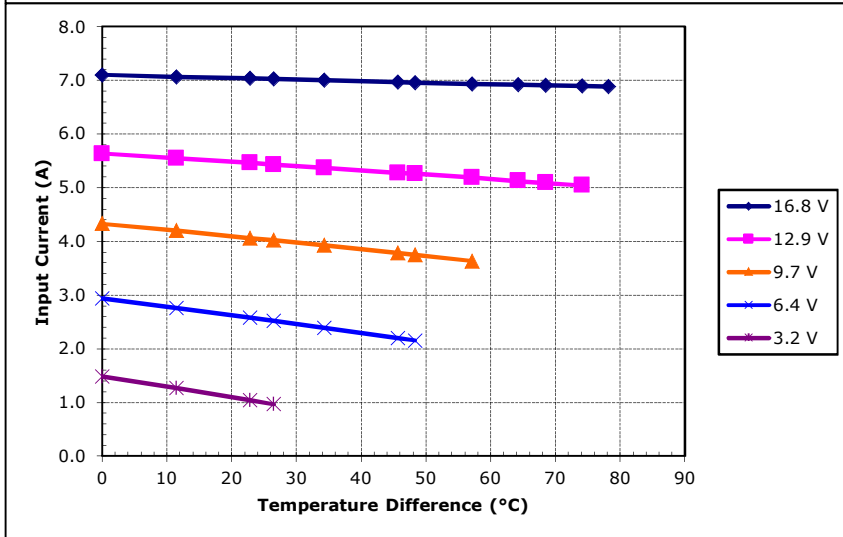
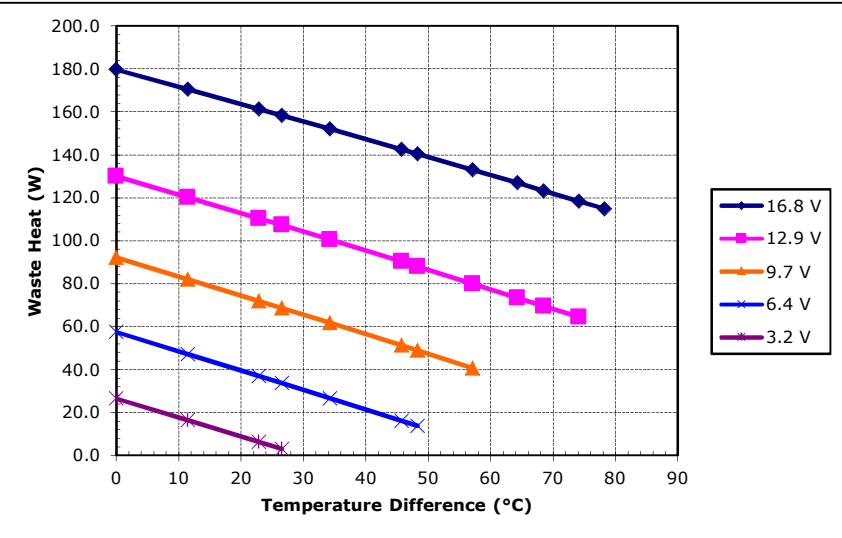
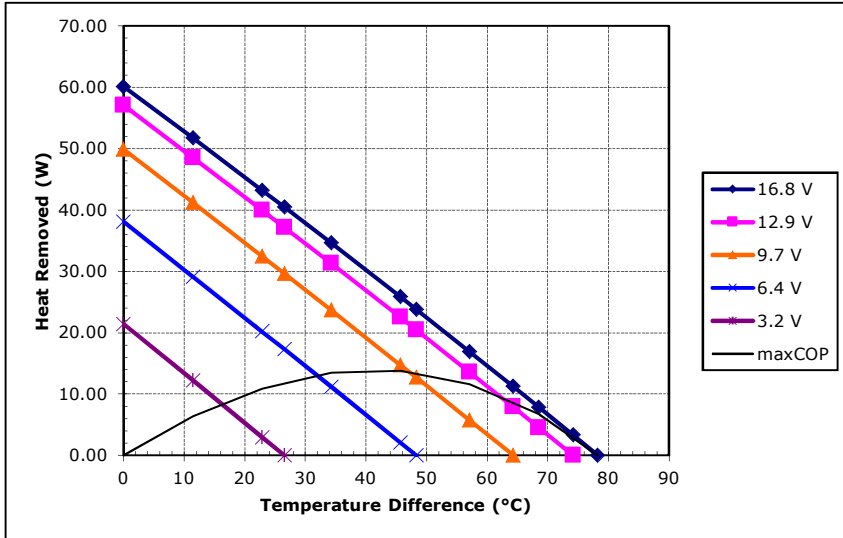
Potted HP-119-1.0-0.6 at a hot-side temperature of 30 °C



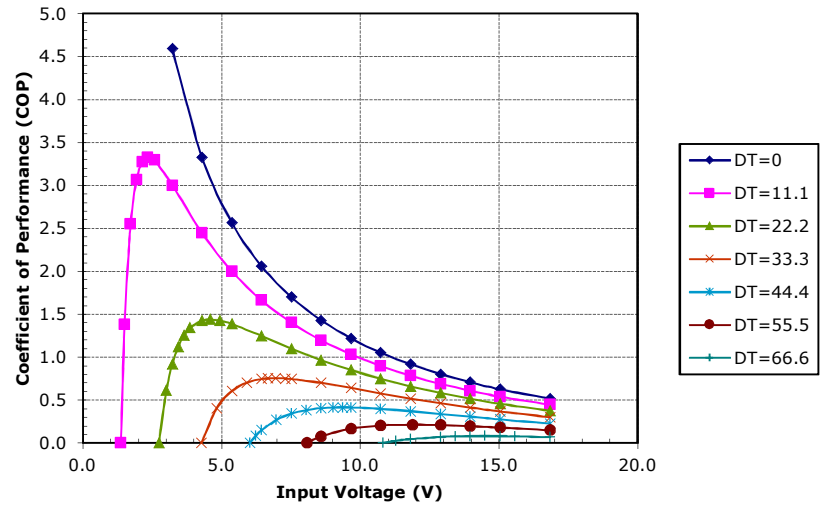
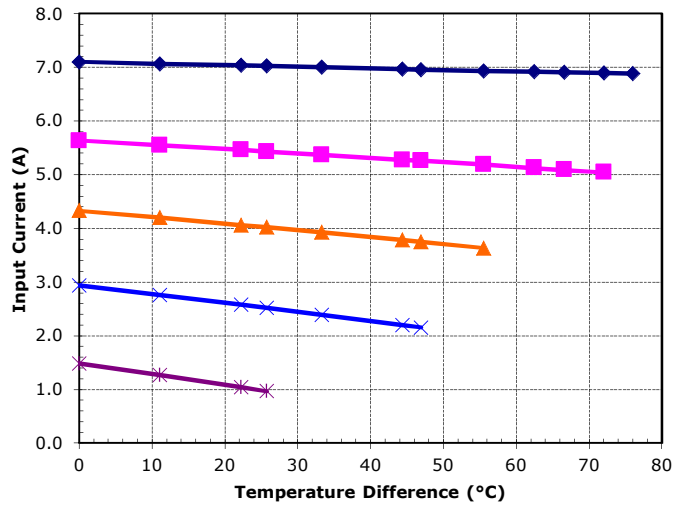
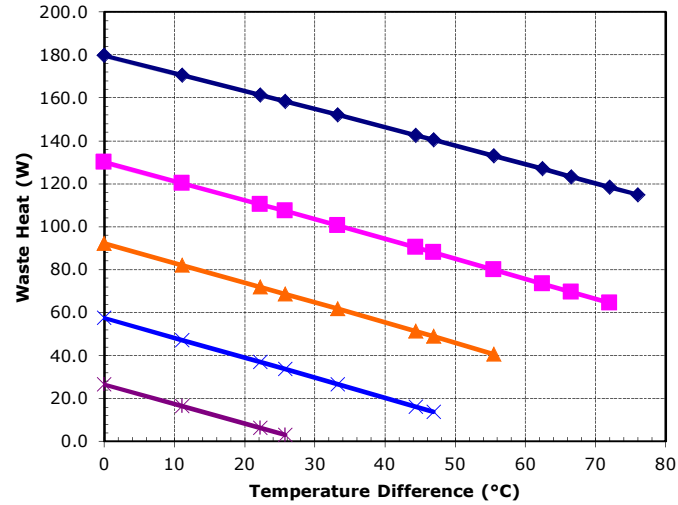
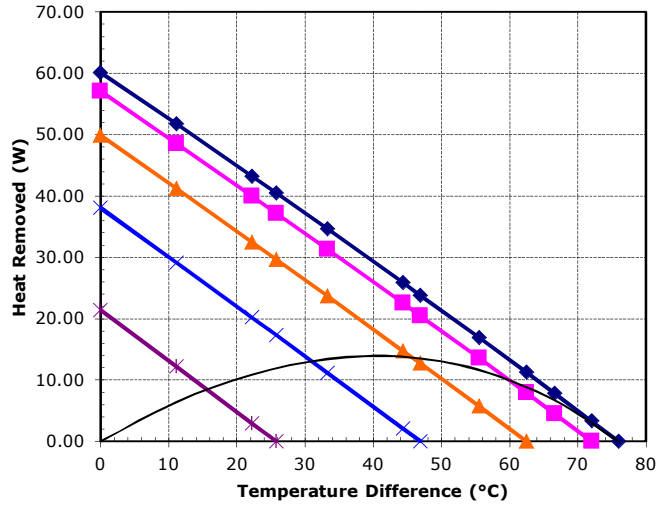
Unpotted HP-119-1.0-0.6 at a hot-side temperature of 50 °C



Potted HP-119-1.0-0.6 at a hot-side temperature of 50 °C



Unpotted HP-119-1.0-0.6 at a hot-side temperature of 70 °C



Potted HP-119-1.0-0.6 at a hot-side temperature of 70 °C