

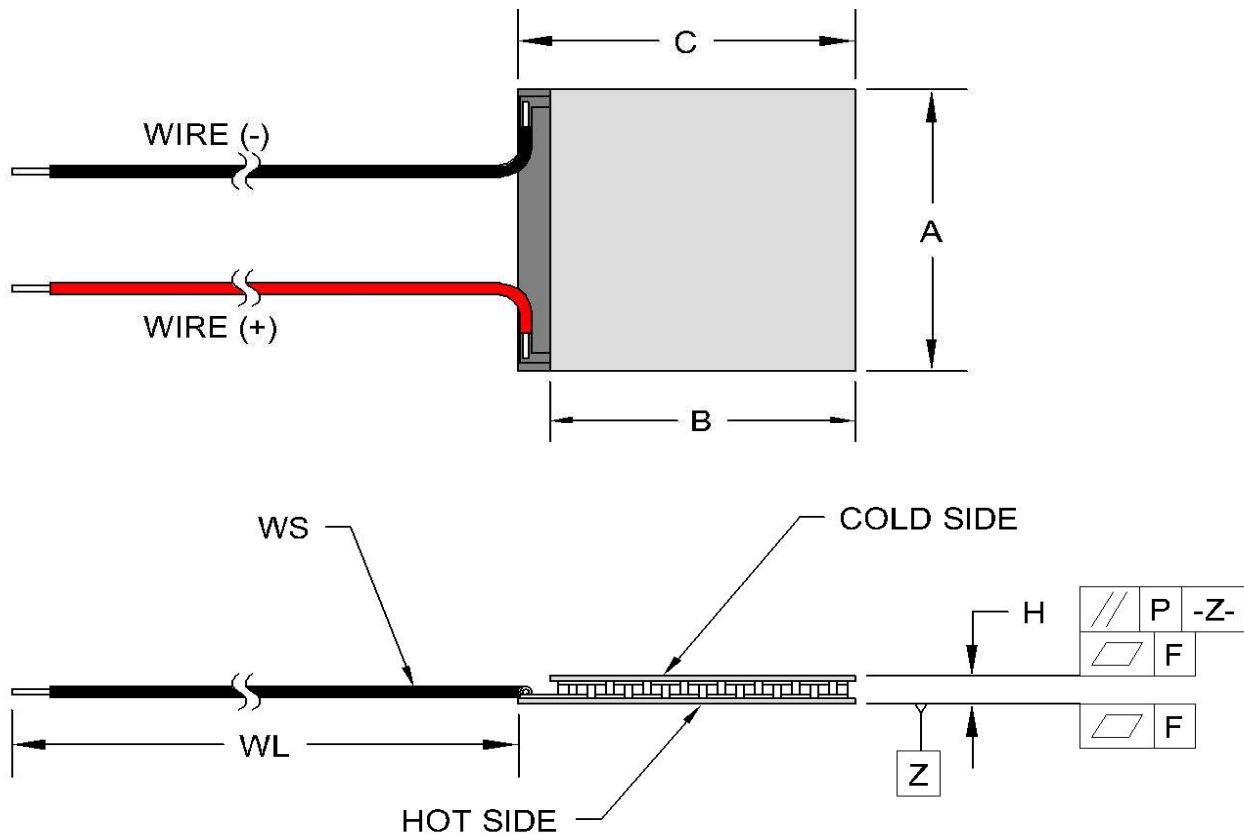
**HP-119-1.0-0.6
Thermoelectric Module
(Peltier Module)
Specifications**

	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.

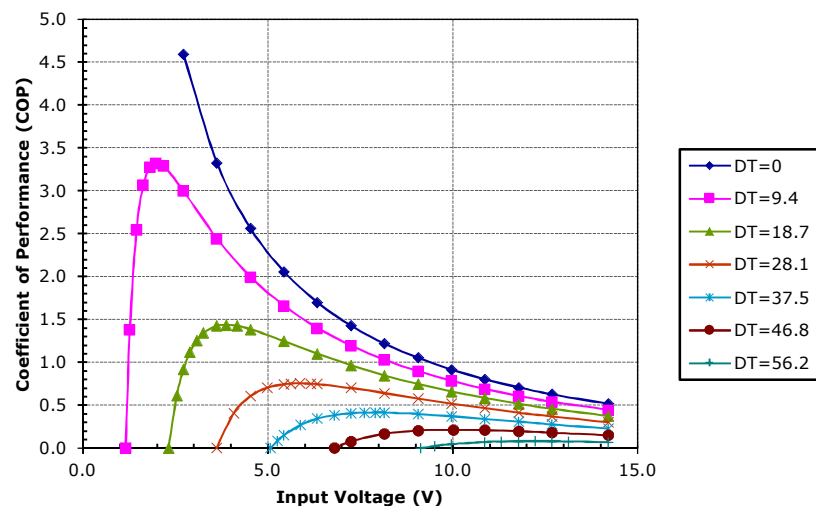
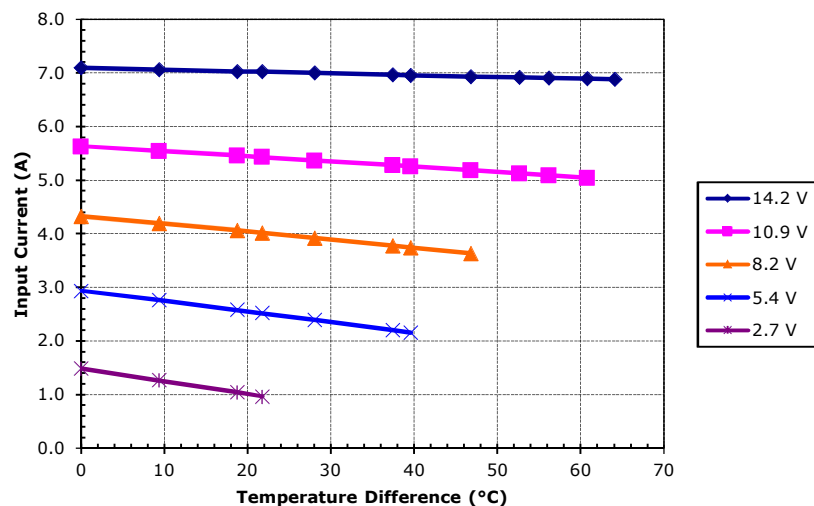
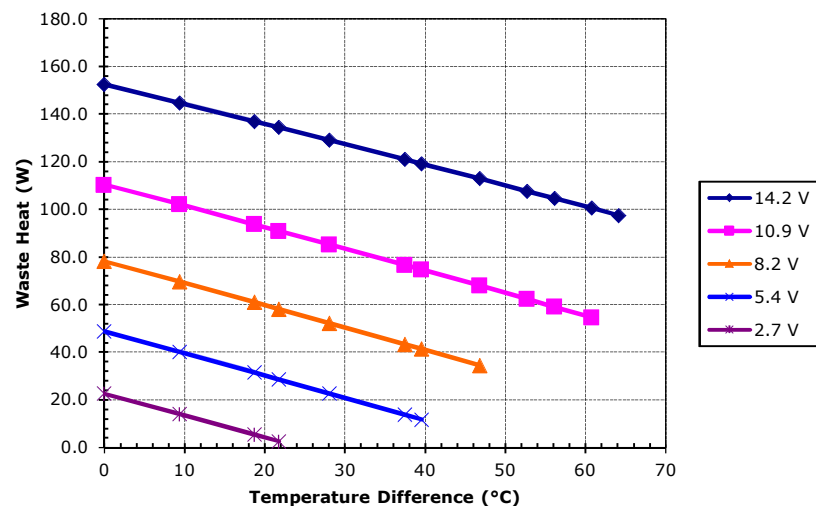
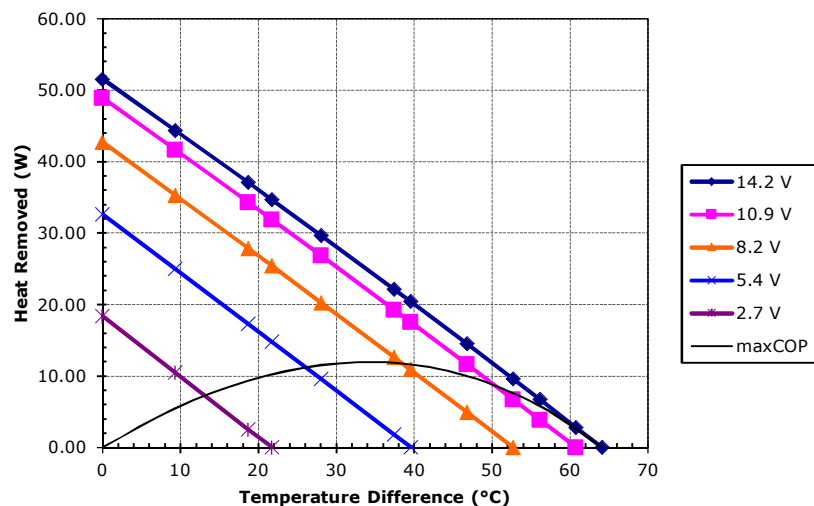
RoHS Compliant

TE TECHNOLOGY, INC.®

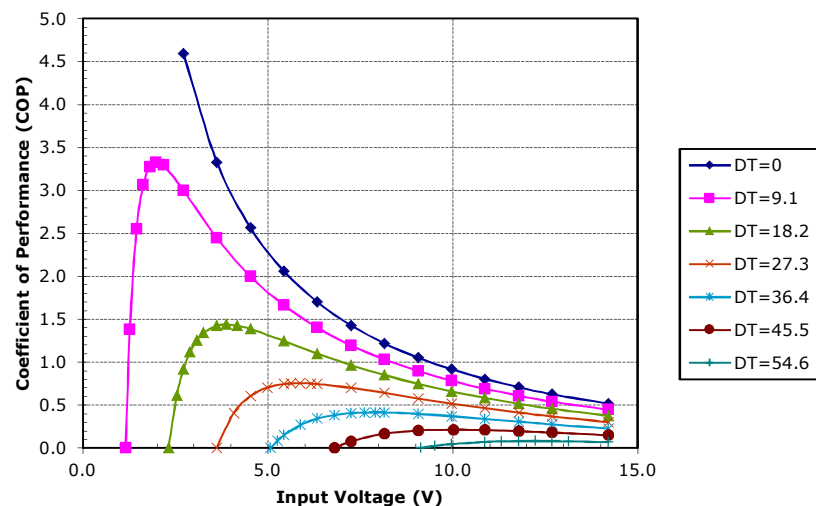
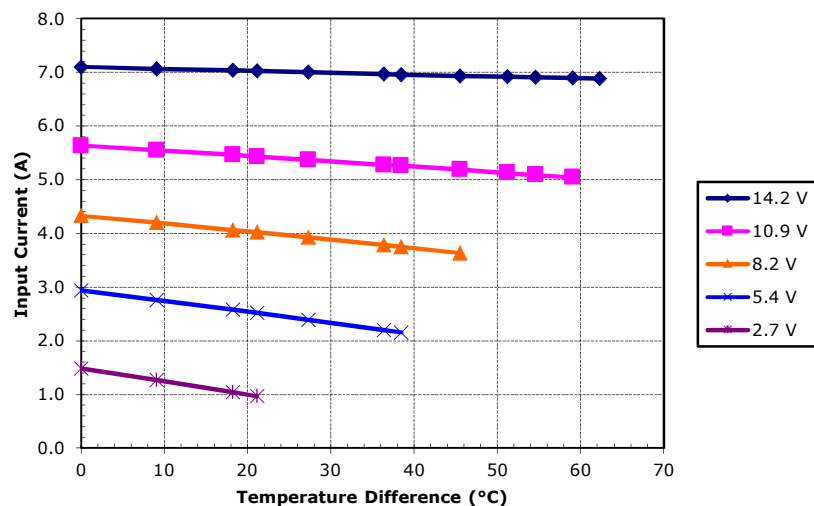
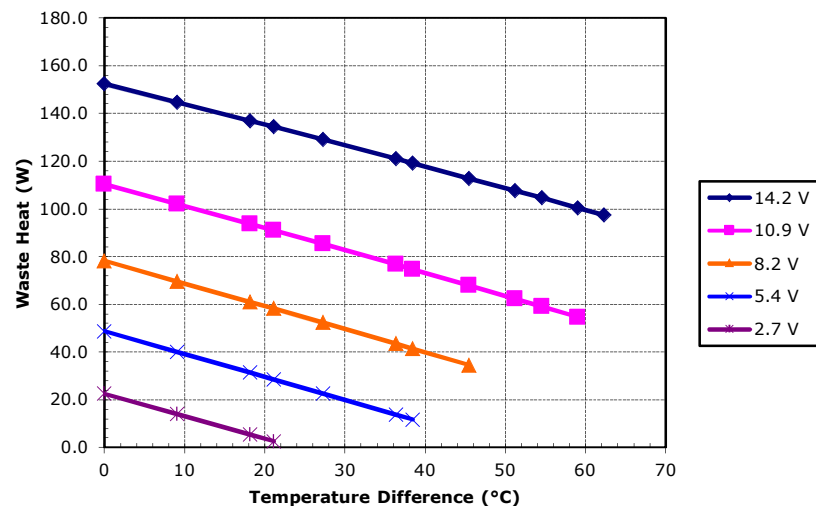
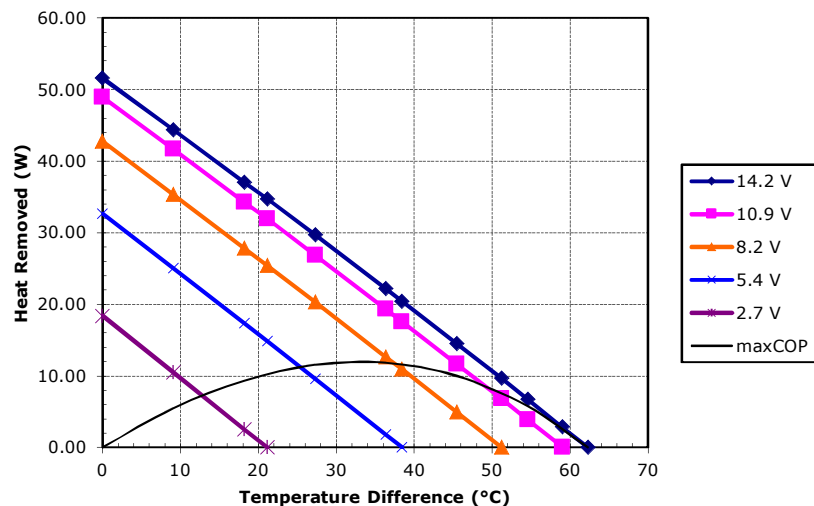
1590 Keane Drive, Traverse City, MI, 49696-8257 USA

PH: 231-929-3966 FAX: 231-929-4163 email: cool@totech.com

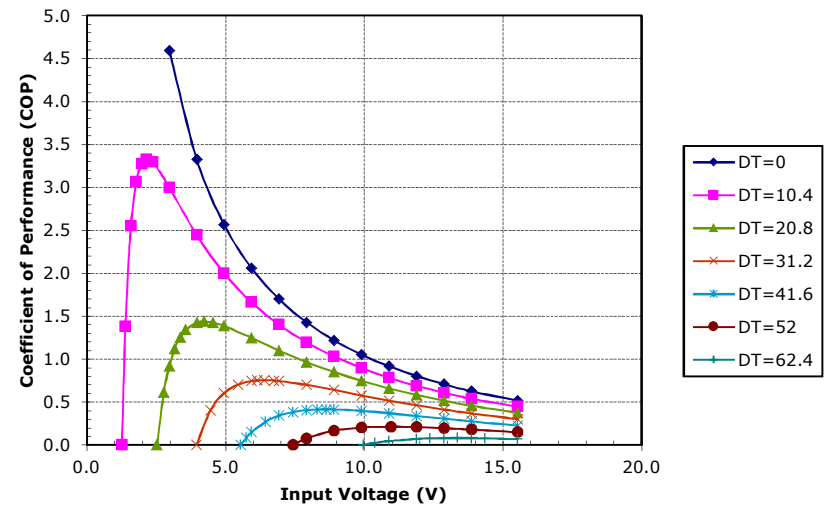
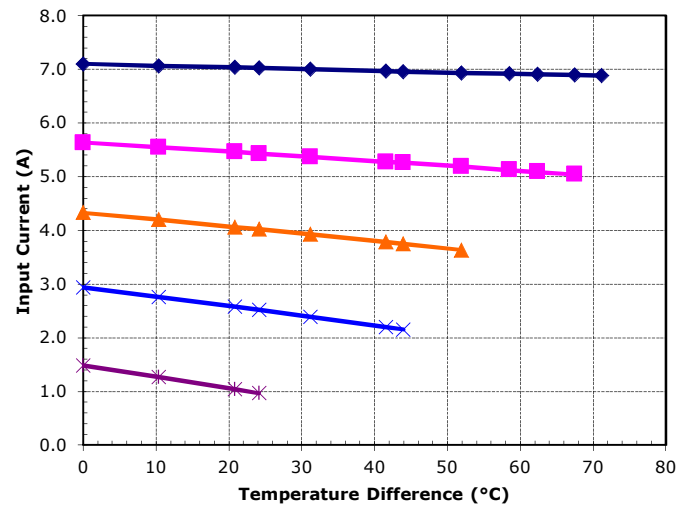
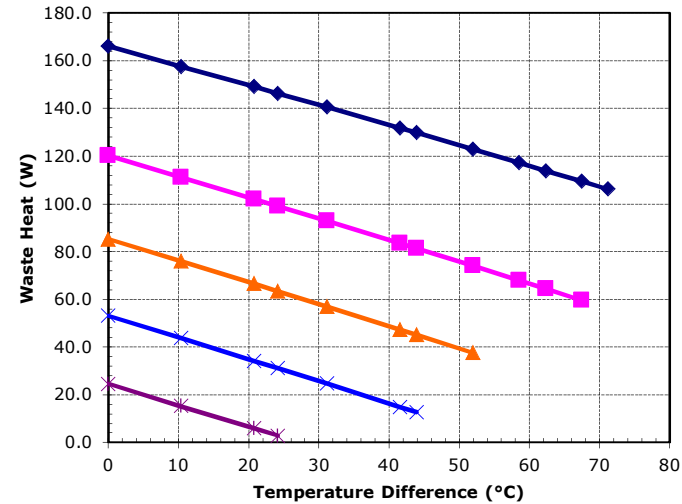
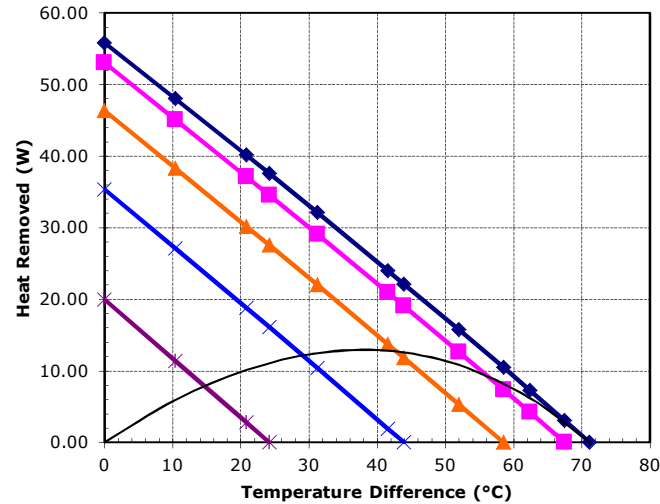
Expert Engineering, Precision Manufacturing: *Quality Thermal Solutions Delivered*



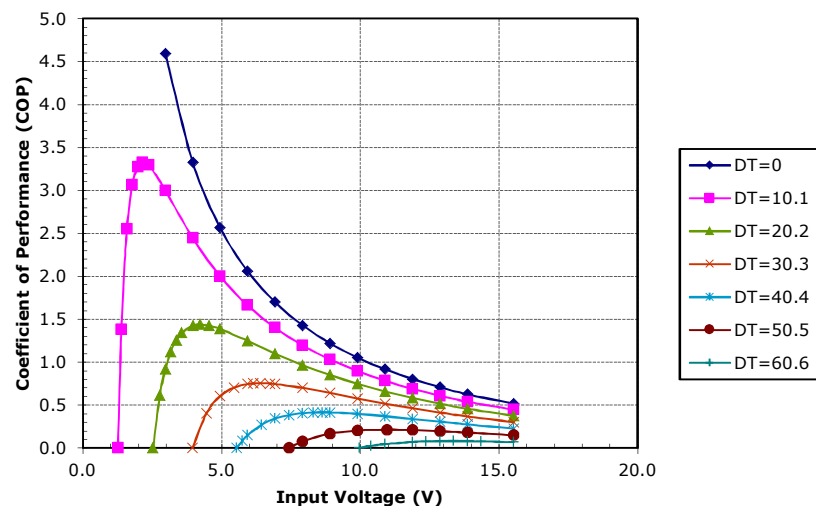
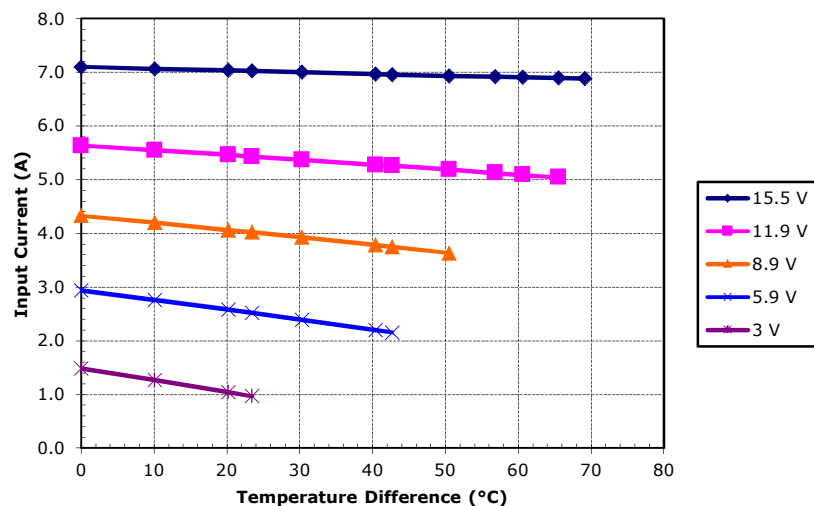
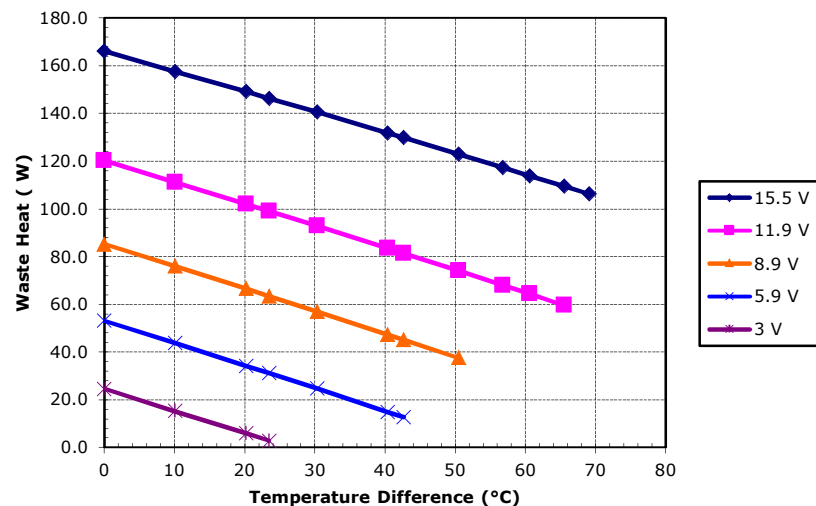
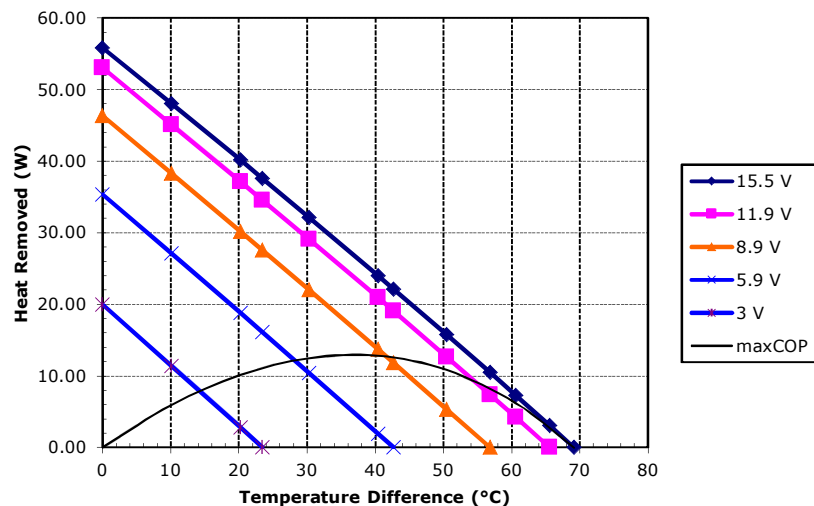
Unpotted HP-119-1.0-0.6 at a hot-side temperature of 30 °C



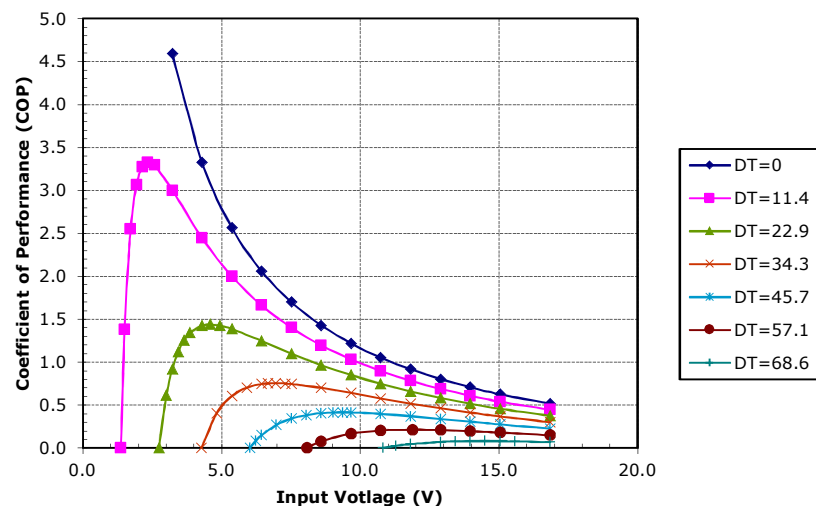
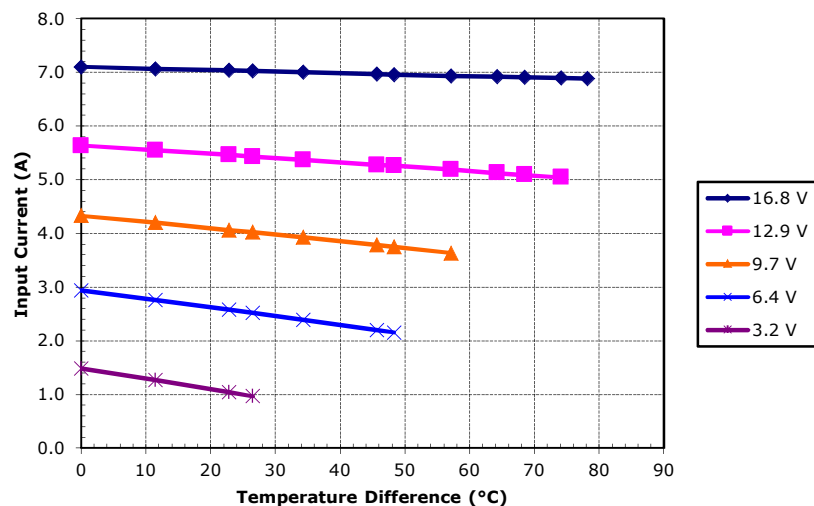
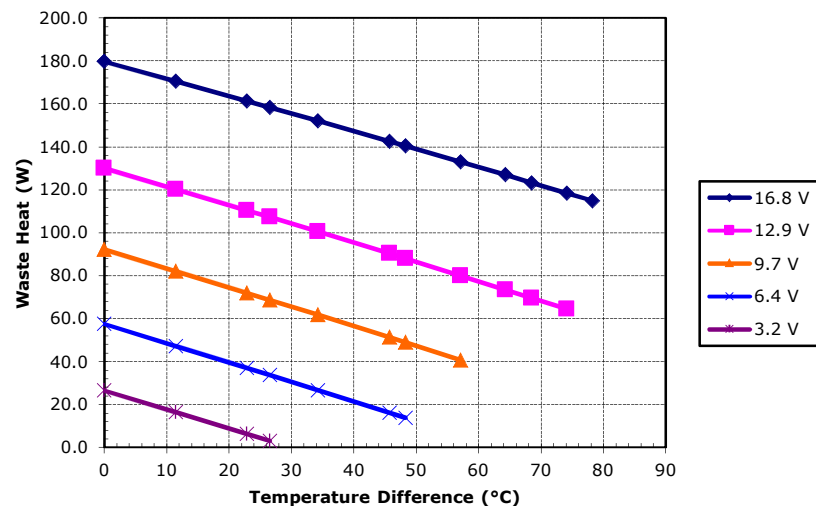
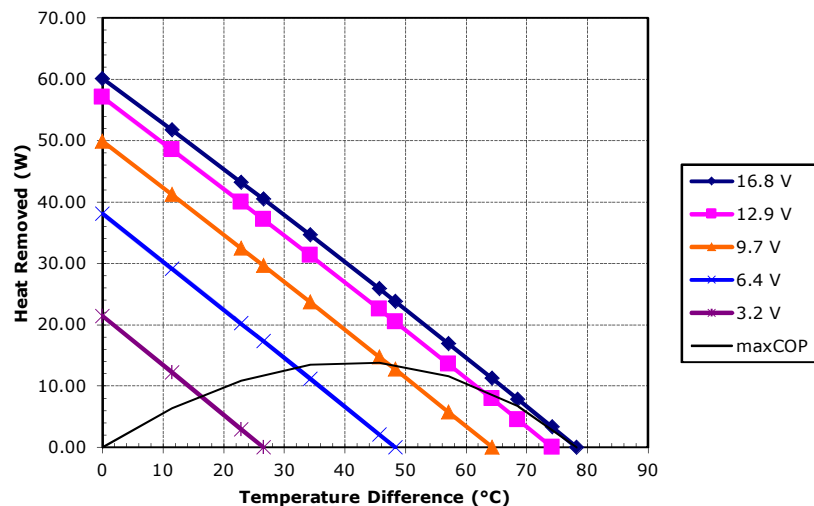
Potted HP-119-1.0-0.6 at a hot-side temperature of 30 °C



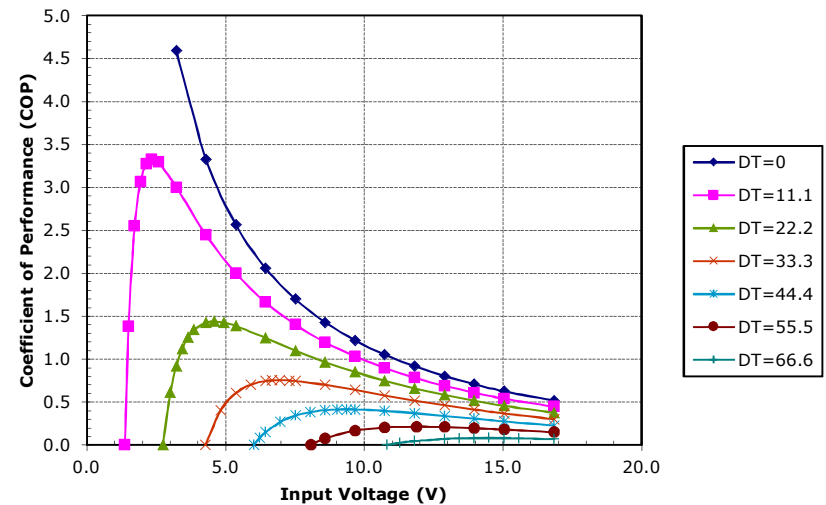
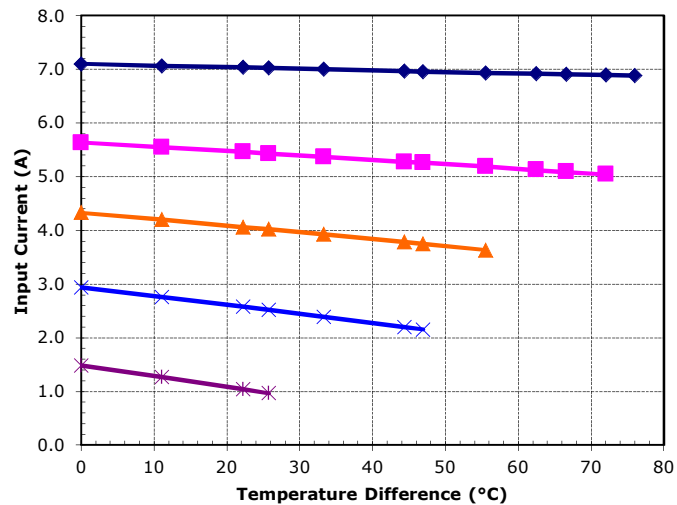
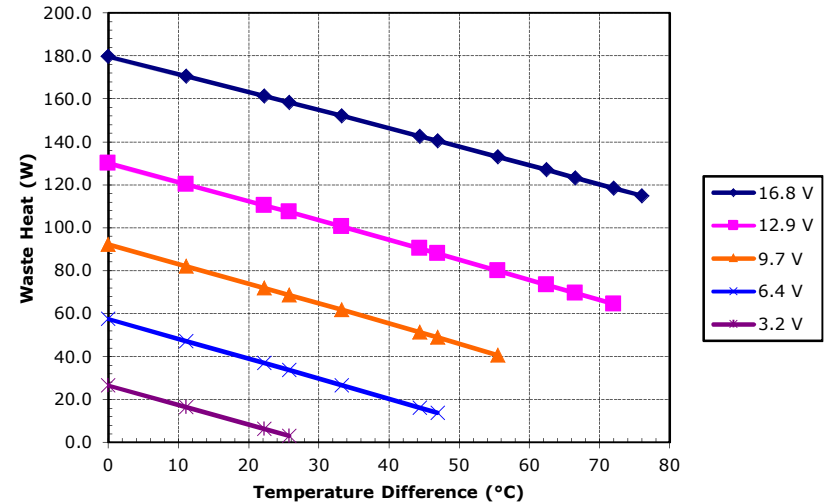
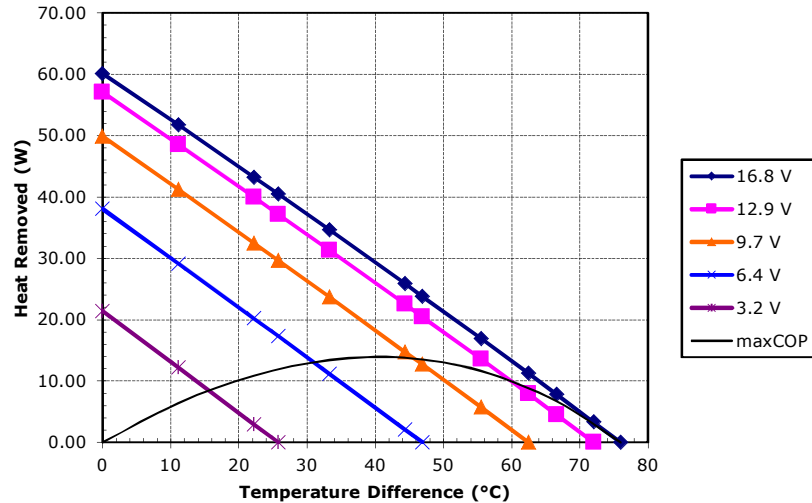
Unpotted HP-119-1.0-0.6 at a hot-side temperature of 50 °C



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