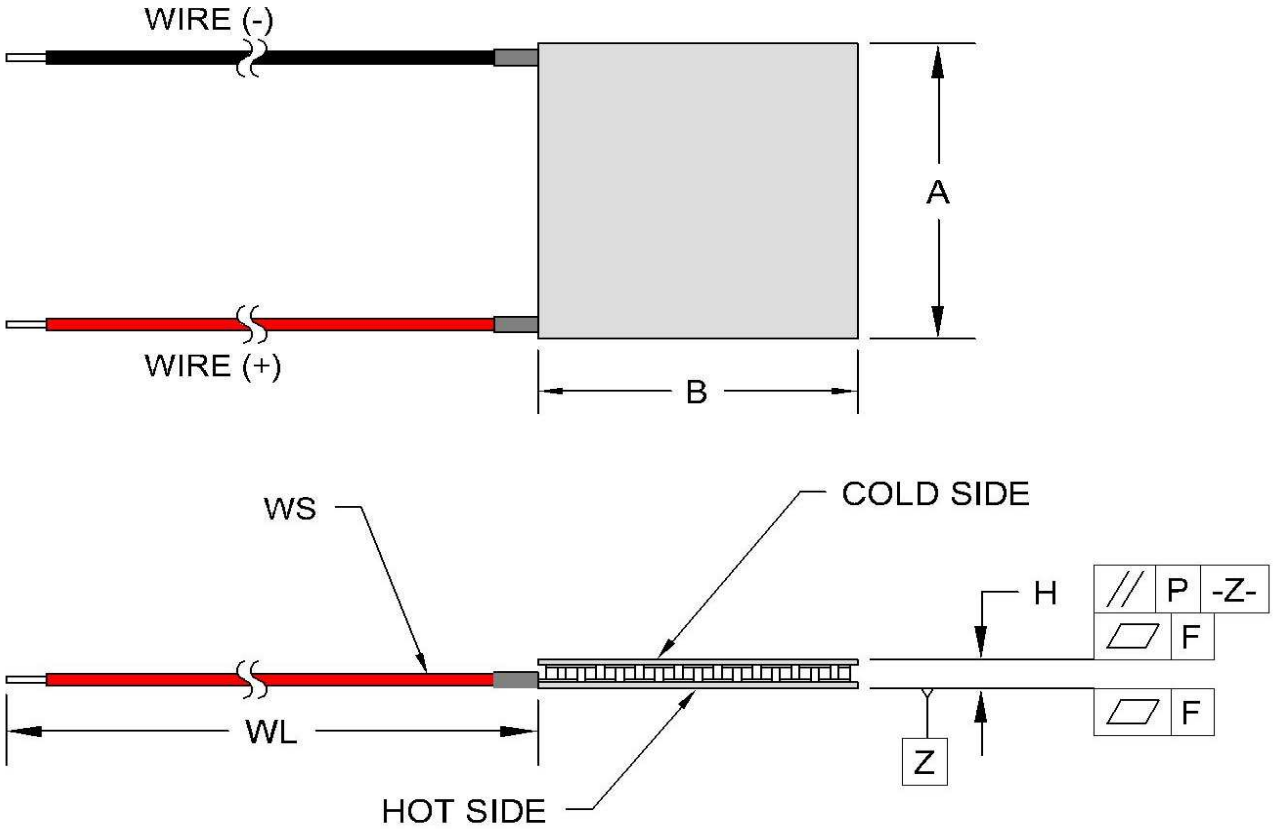
VT-199-1.4-0.8 Thermoelectric Module (Peltier Module) Specifications		Material Specifications (27 °C hot side temperature)	Material Specifications (50 °C hot side temperature)	Module *material* specifications are nominal values based on the hot-side temperature indicated. Thermoelectric material parameter 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.
	Vmax (V)	24.6	27.3	
	Imax (A)	11.3	11.3	
	Qmax (W)	172.0	188.7	
	DTmax (°C)	69	78	
	Operation/storage temperature	-40 °C to +200 °C		



Width, A (mm)	40 +0.5/-0.2
Width, B (mm)	40 +0.5/-0.2
Height, H (mm)	3.2 ±0.05
Flatness, F (mm)	0.02
Parallelism, P (mm)	0.03
Wire Size, WS (mm²)	0.5
Wire Length, WL (mm)	120

Optional Features and Notes:

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

Maximum operating/storage temperature with potting is 150 °C

Performance graphs include thermal resistance of substrates.

RoHS Compliant

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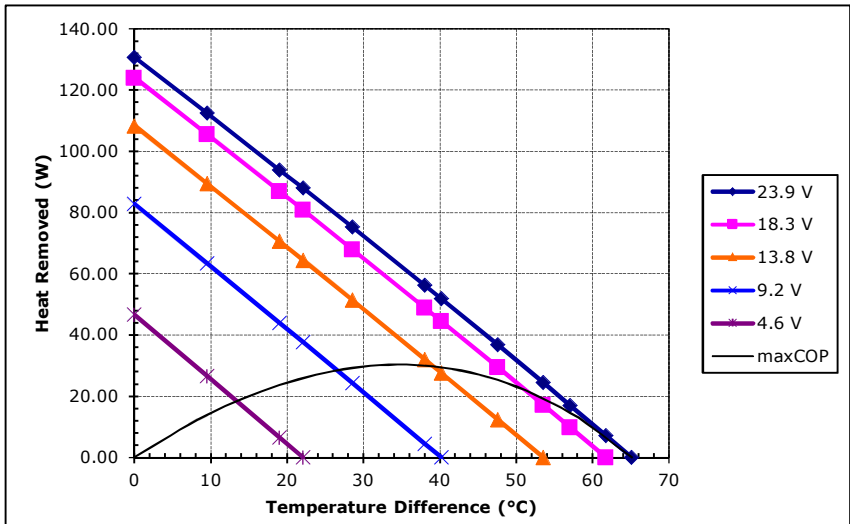

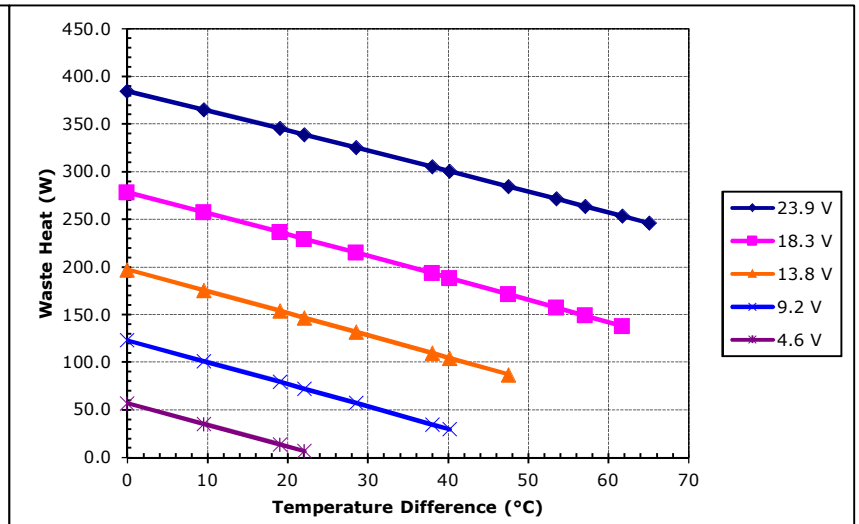

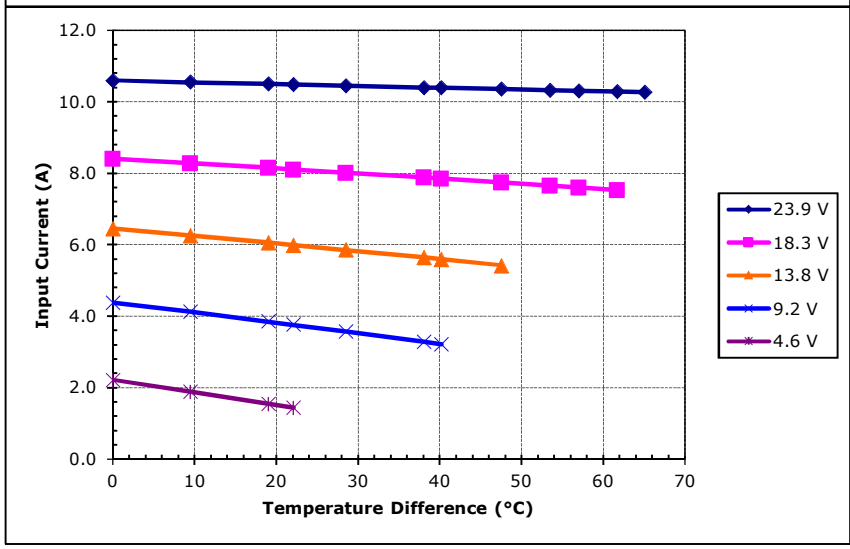

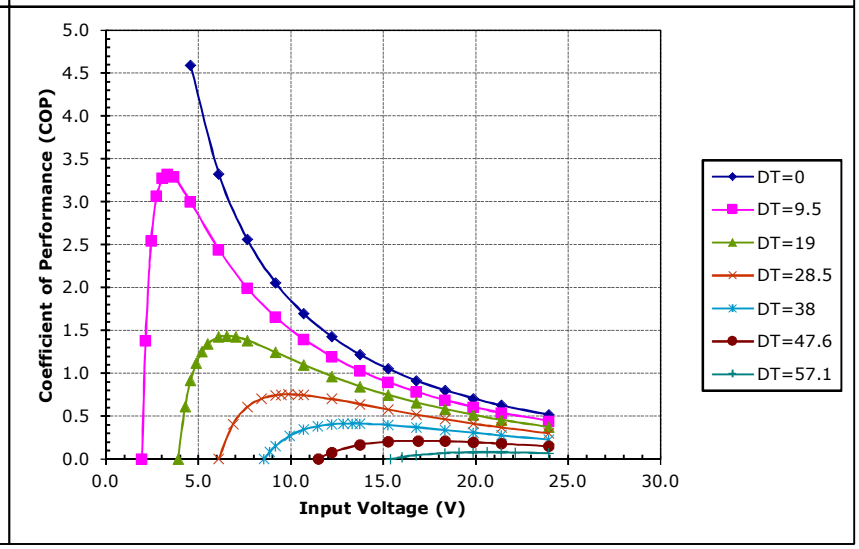

Unpotted VT-199-1.4-0.8 at a hot-side temperature of 30 °C

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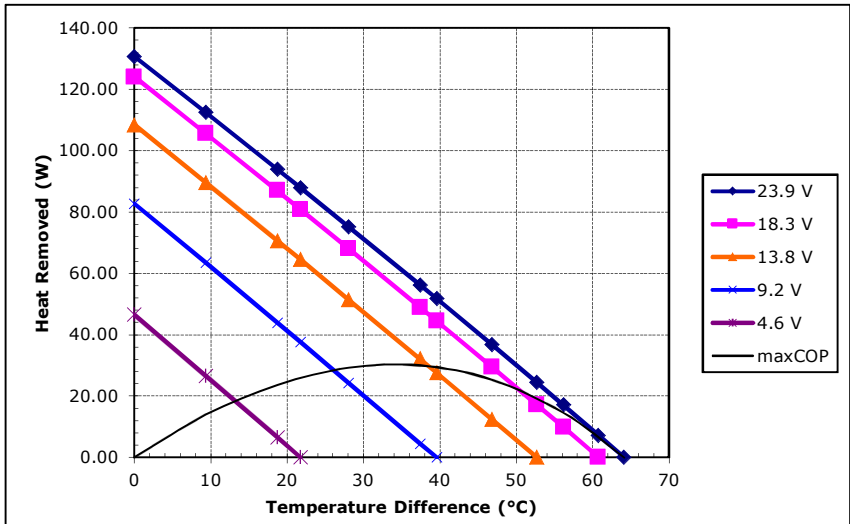

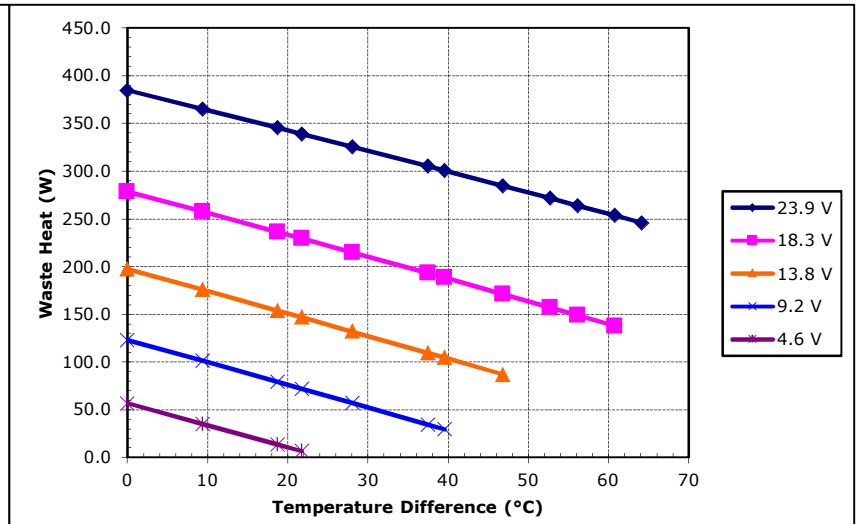

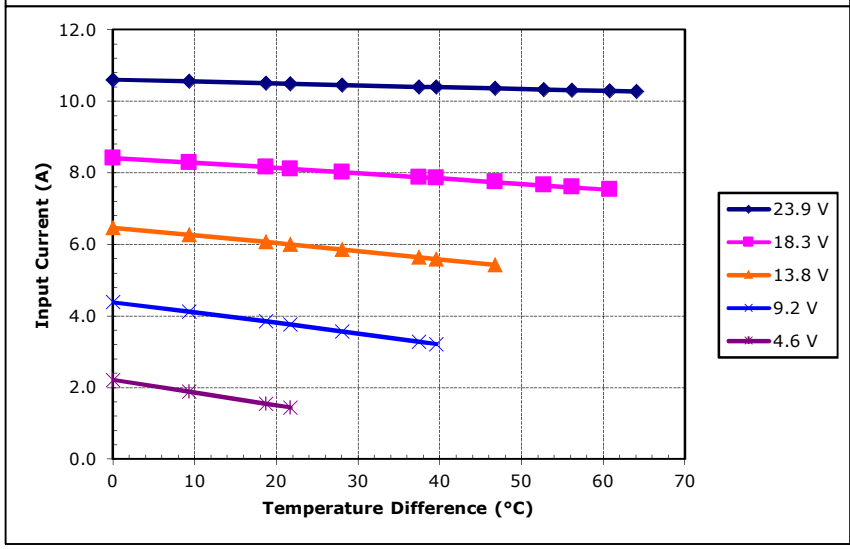

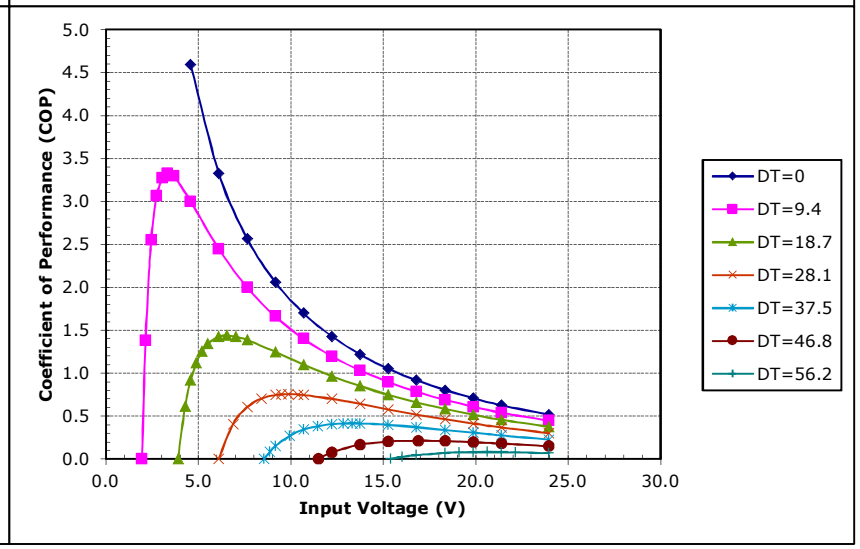

Potted VT-199-1.4-0.8 at a hot-side temperature of 30 °C

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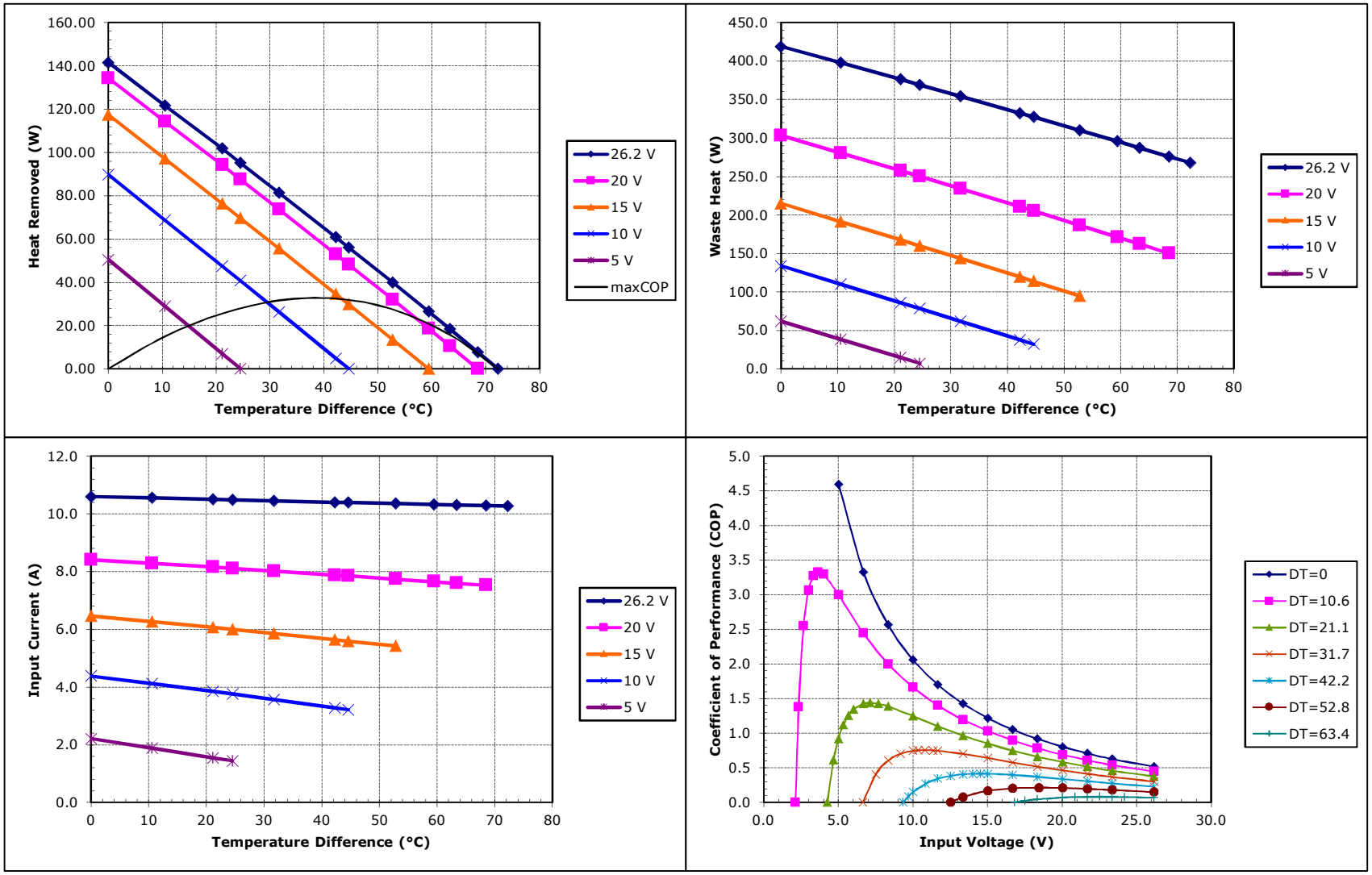

Unpotted VT-199-1.4-0.8 at a hot-side temperature of 50 °C

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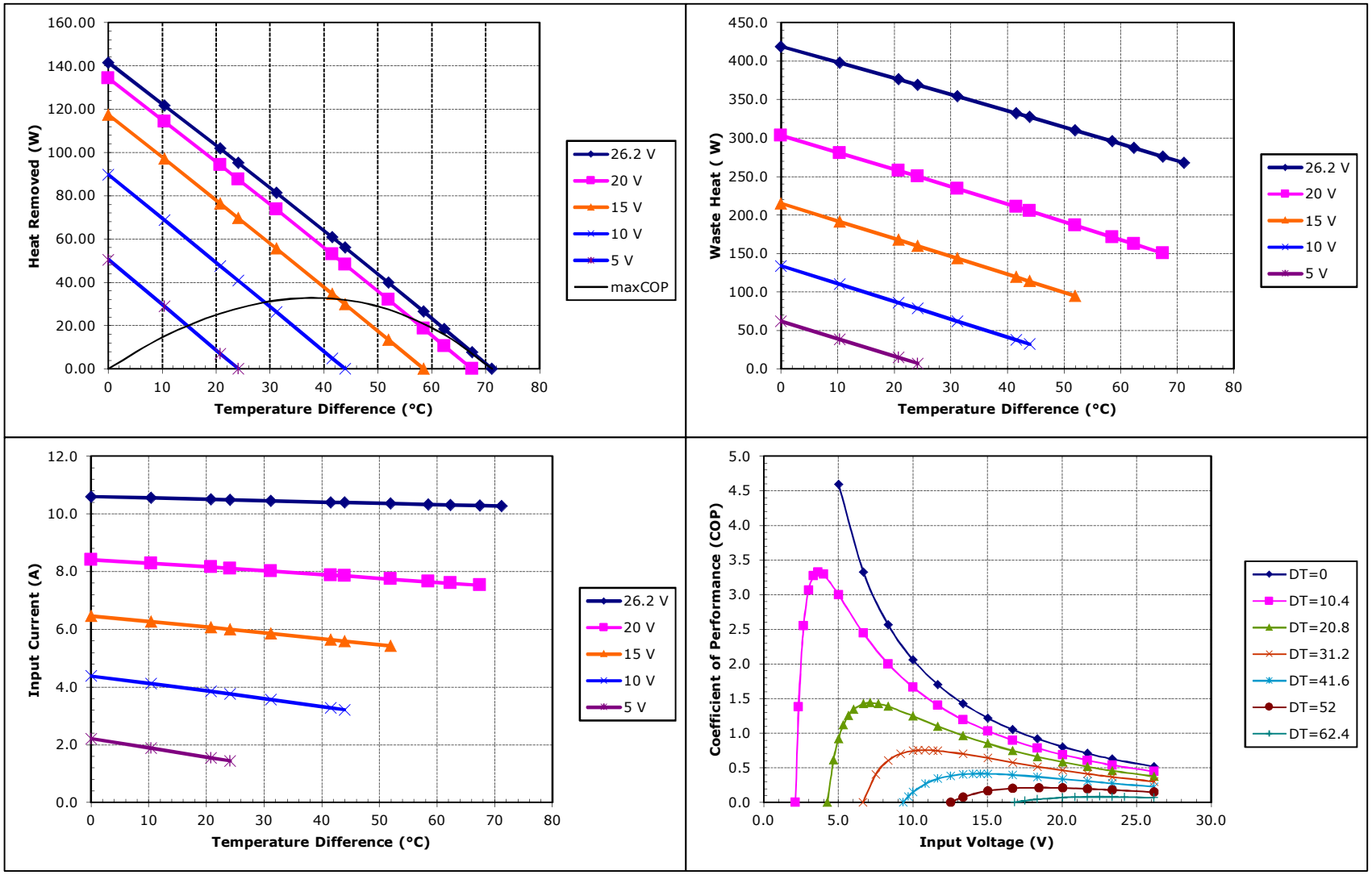

Potted VT-199-1.4-0.8 at a hot-side temperature of 50 °C

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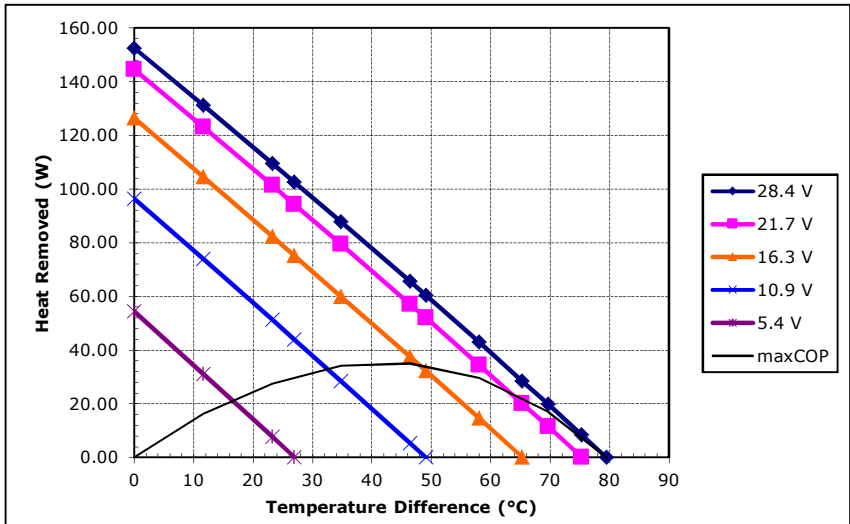

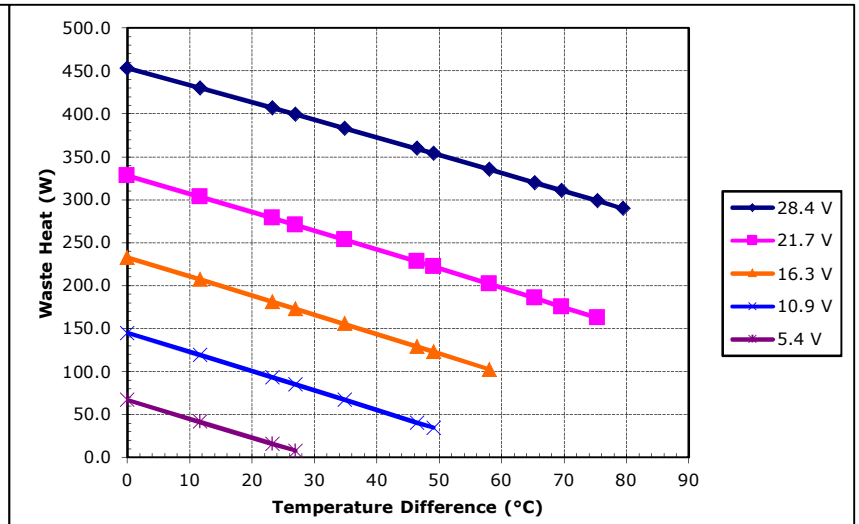

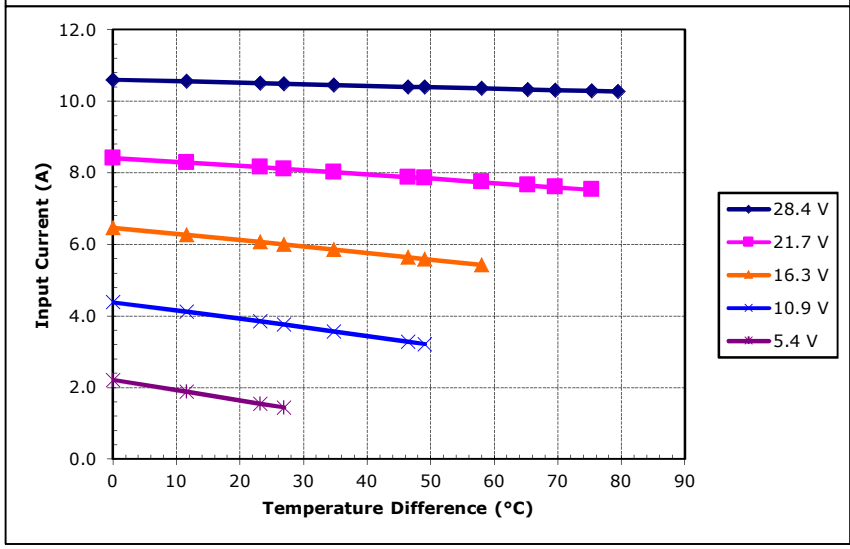

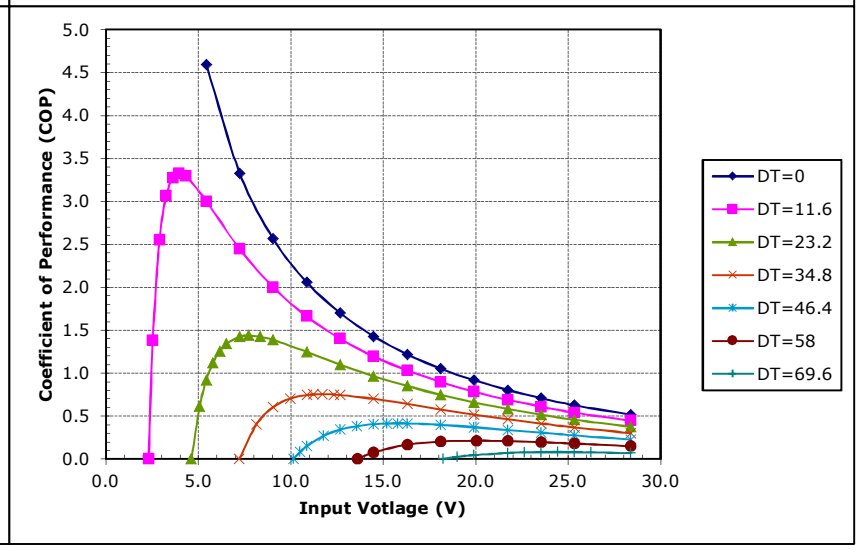

Unpotted VT-199-1.4-0.8 at a hot-side temperature of 70 °C

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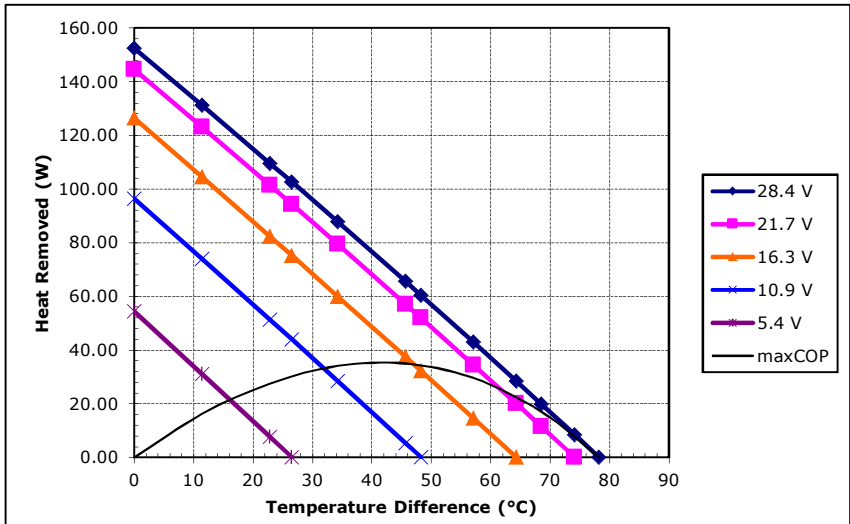

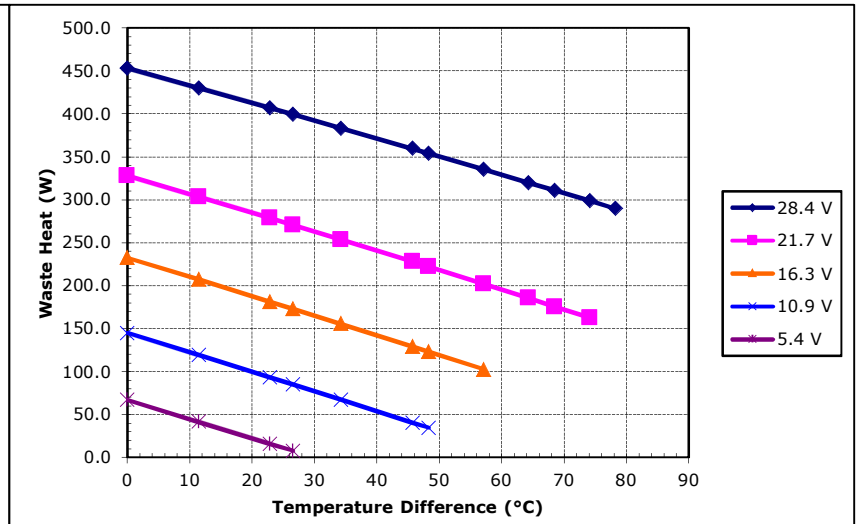

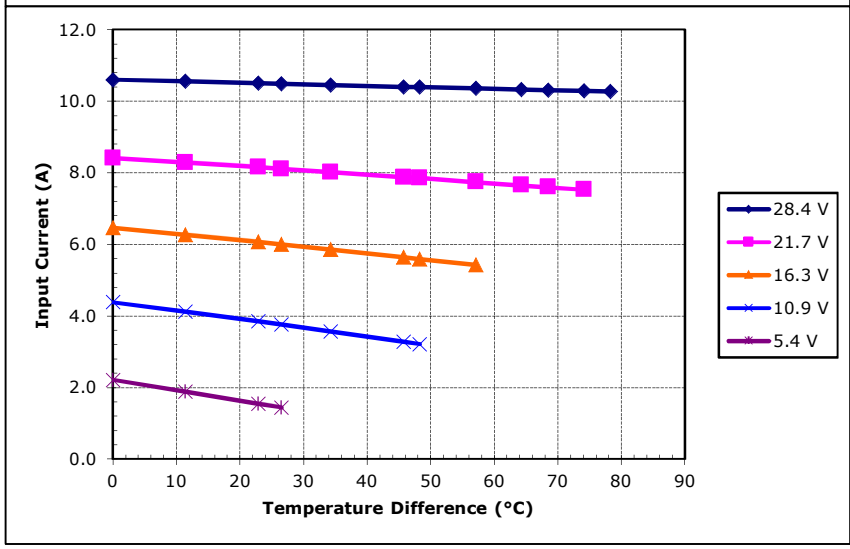

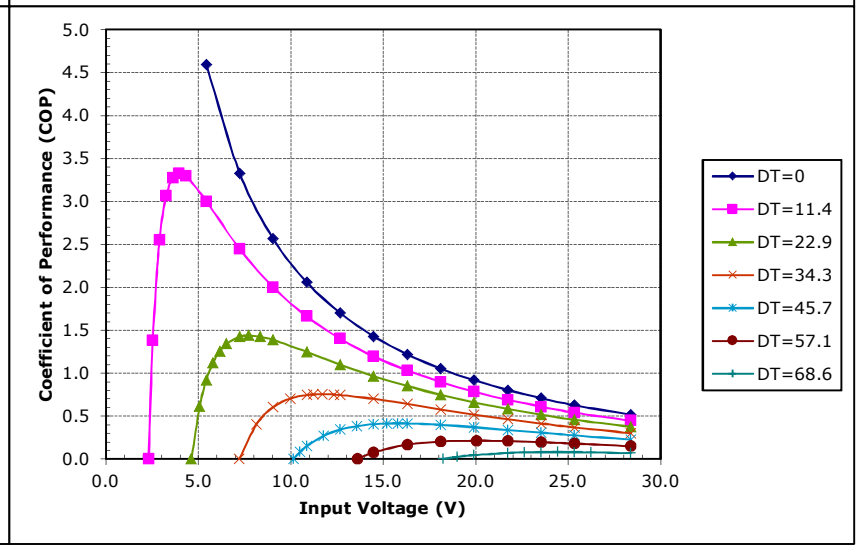

Potted VT-199-1.4-0.8 at a hot-side temperature of 70 °C