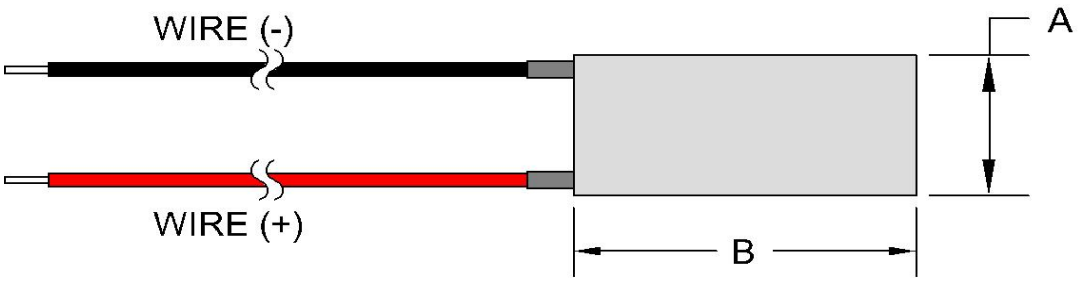
TE-109-0.6-0.8 Thermoelectric Module (Peltier Module) Specifications

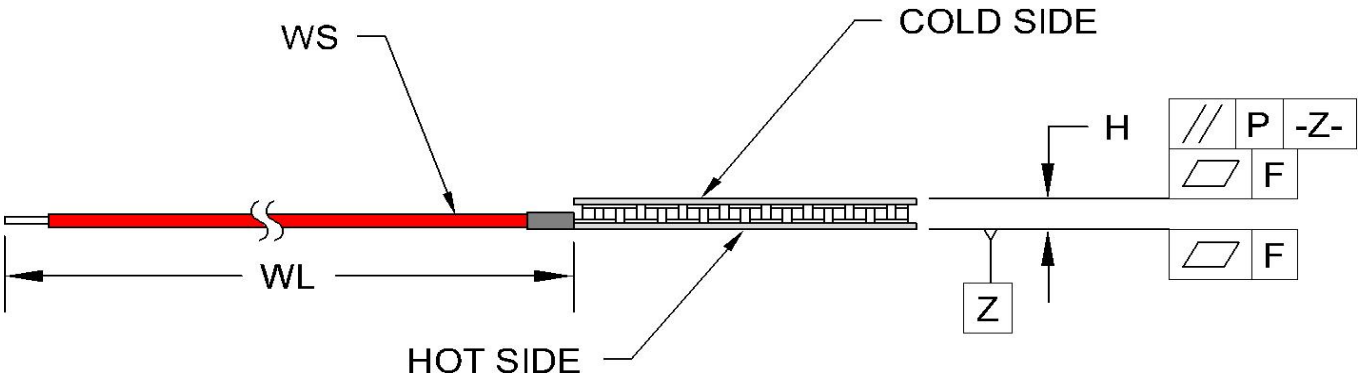
	Material Specifications (27 °C hot side temperature)	Material Specifications (50 °C hot side temperature)
Vmax (V)	13.4	14.9
Imax (A)	2.1	2.1
Qmax (W)	16.9	18.5
DTmax (°C)	68	77
Operation/storage temperature	-40 °C to +80 °C	

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)	12	+0.5/-0.2
Width, B (mm)	26	+0.5/-0.2
Height, H (mm)	2.55	±0.15
Flatness, F (mm)	0.15	
Parallelism, P (mm)	0.15	
Wire Size, WS (mm²)	0.2	
Wire Length, WL (mm)	50	

Optional Features and Notes:

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

Module includes 30 µm nickel metallization on hot and cold sides.

The metallization does not include pre-tinning.

Performance graphs include thermal resistance of substrates.

RoHS Compliant

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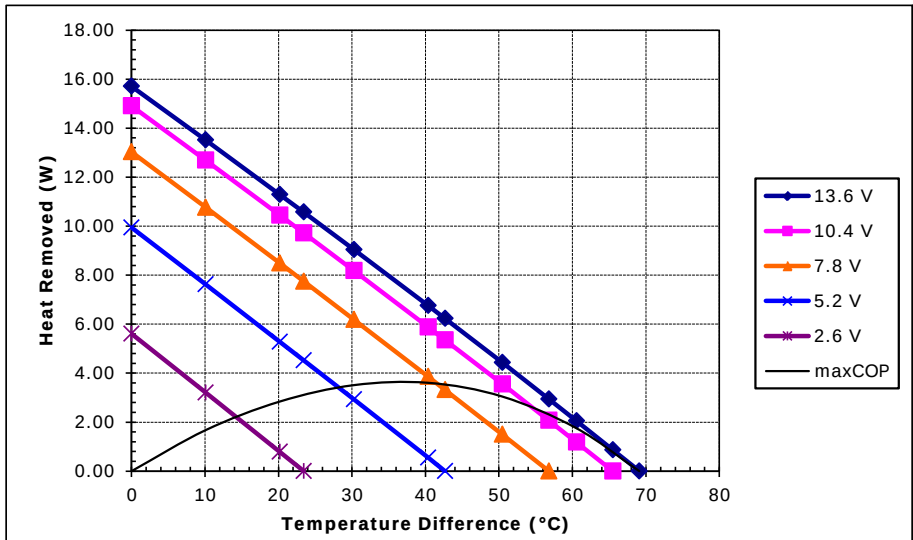

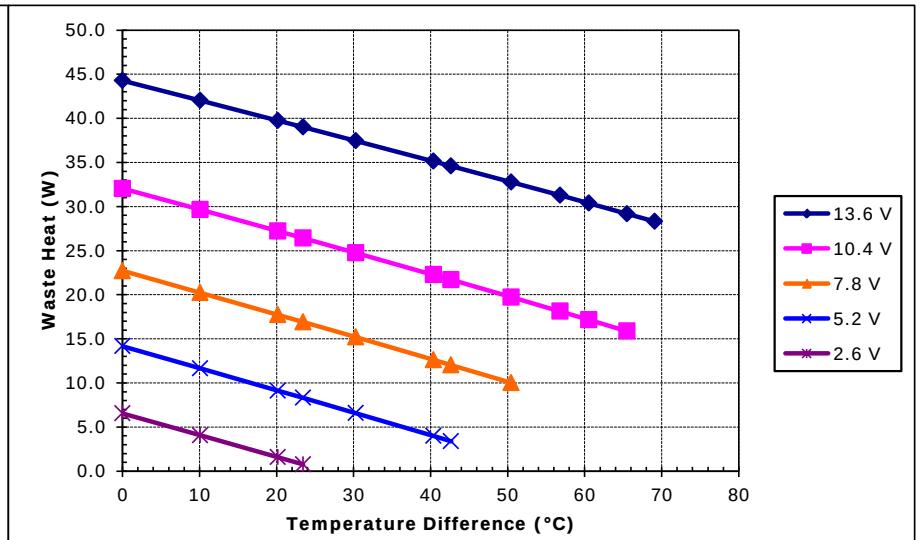

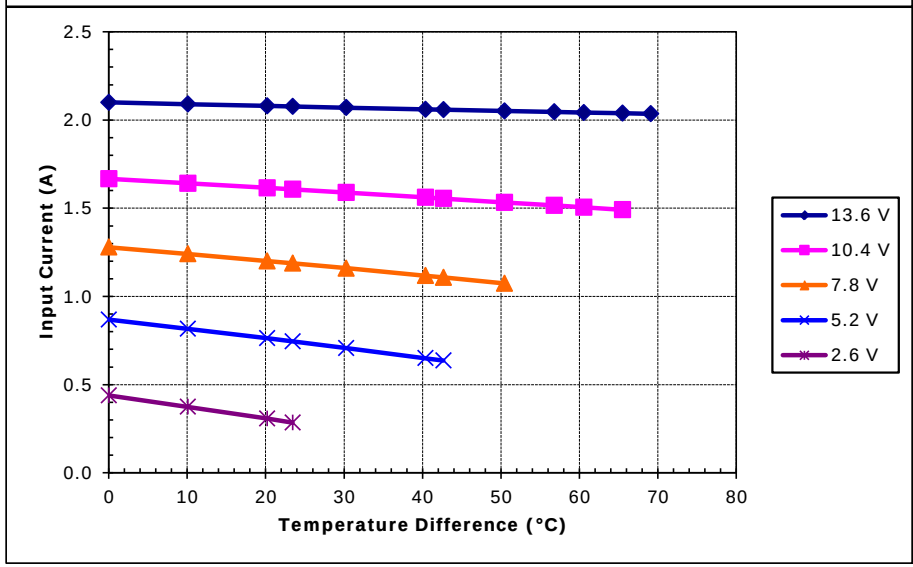

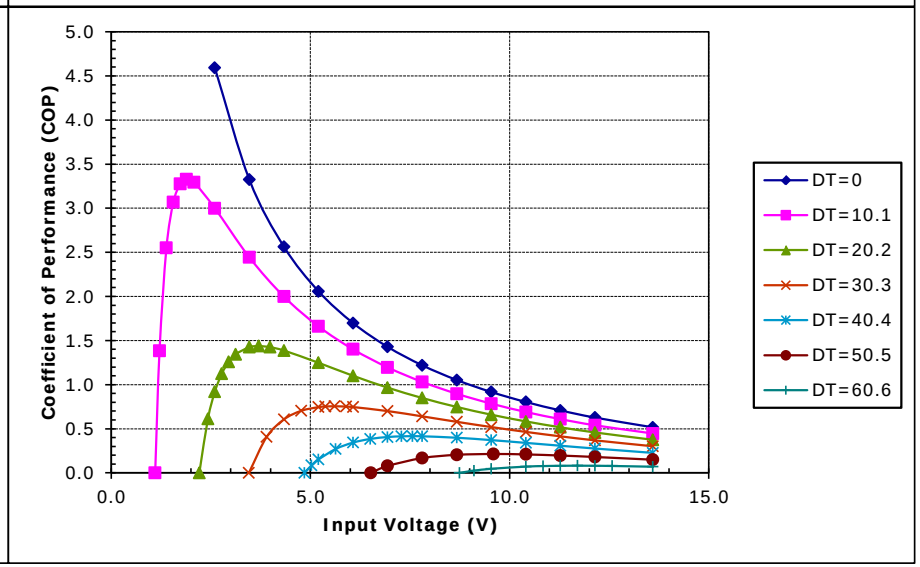

Unpotted TE-109-0.6-0.8 at a hot-side temperature of 30 °C

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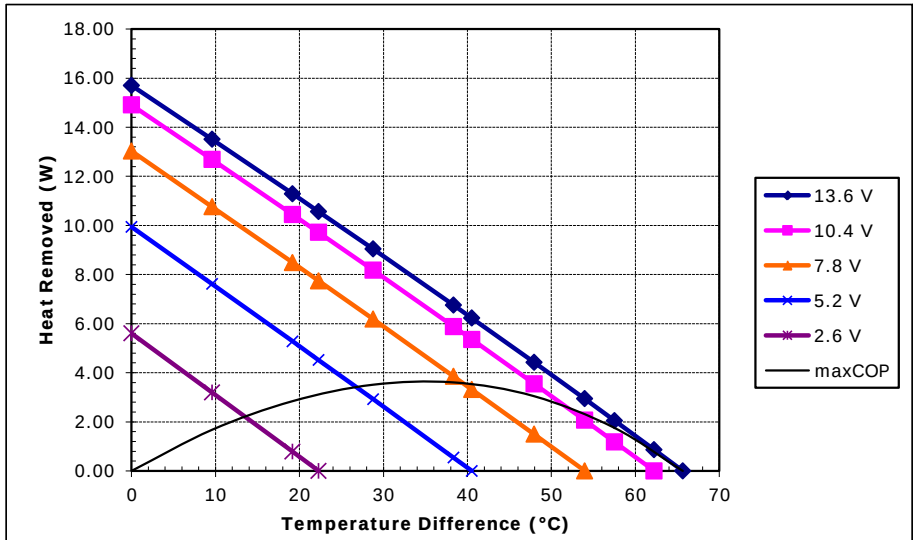

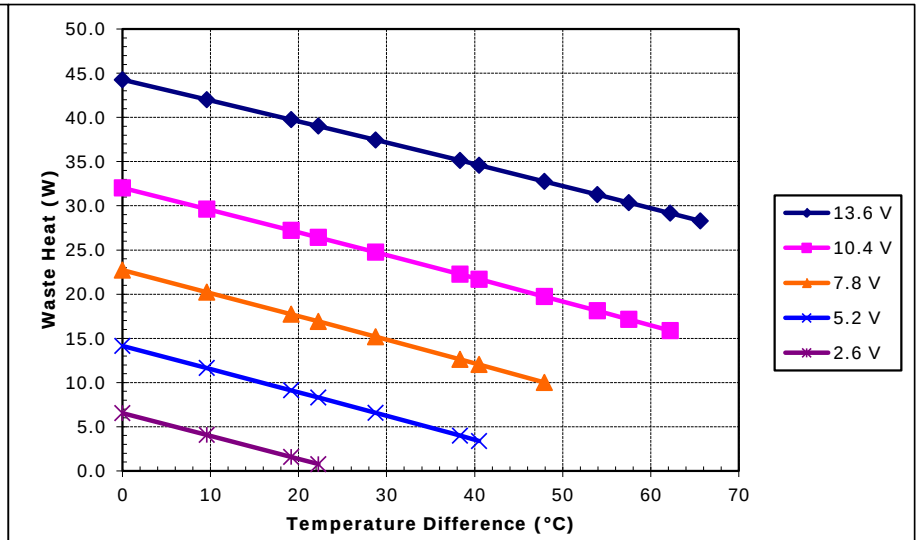

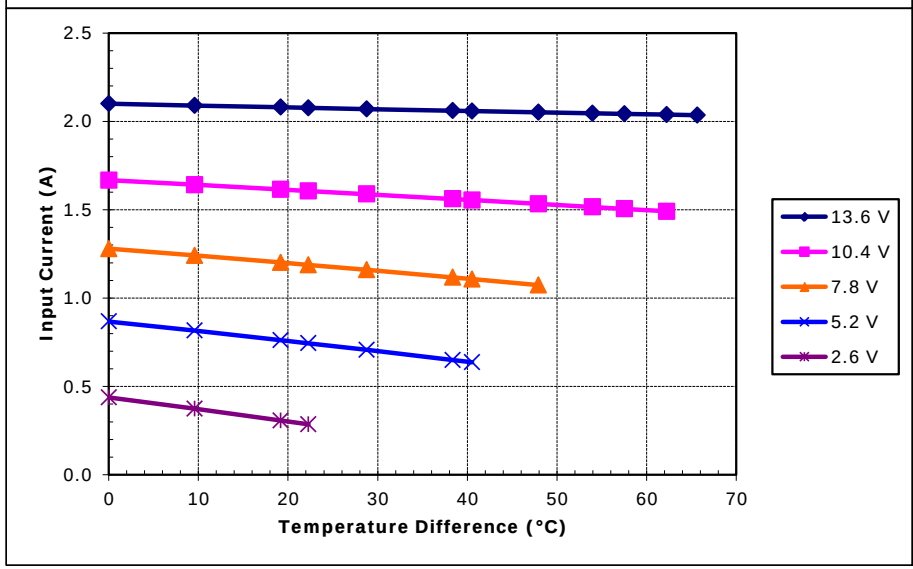

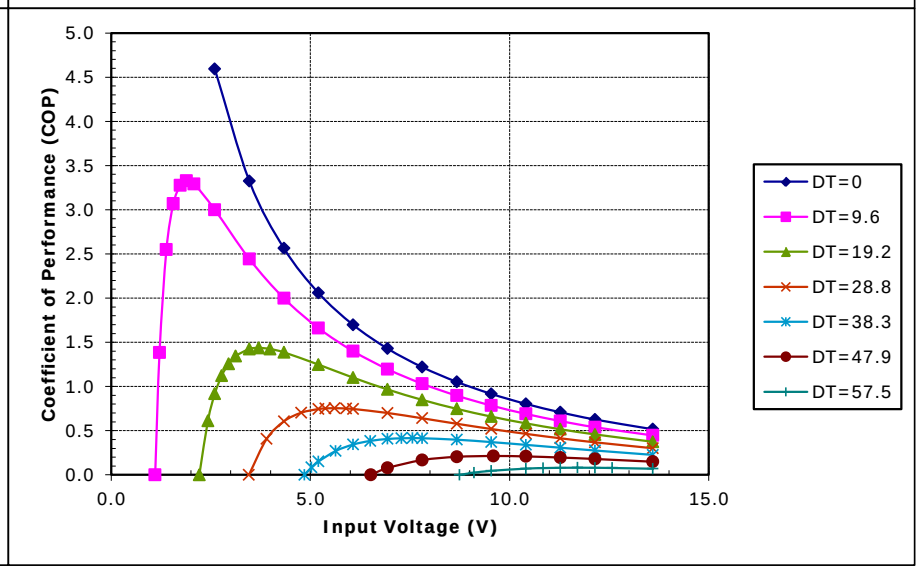

Potted TE-109-0.6-0.8 at a hot-side temperature of 30 °C

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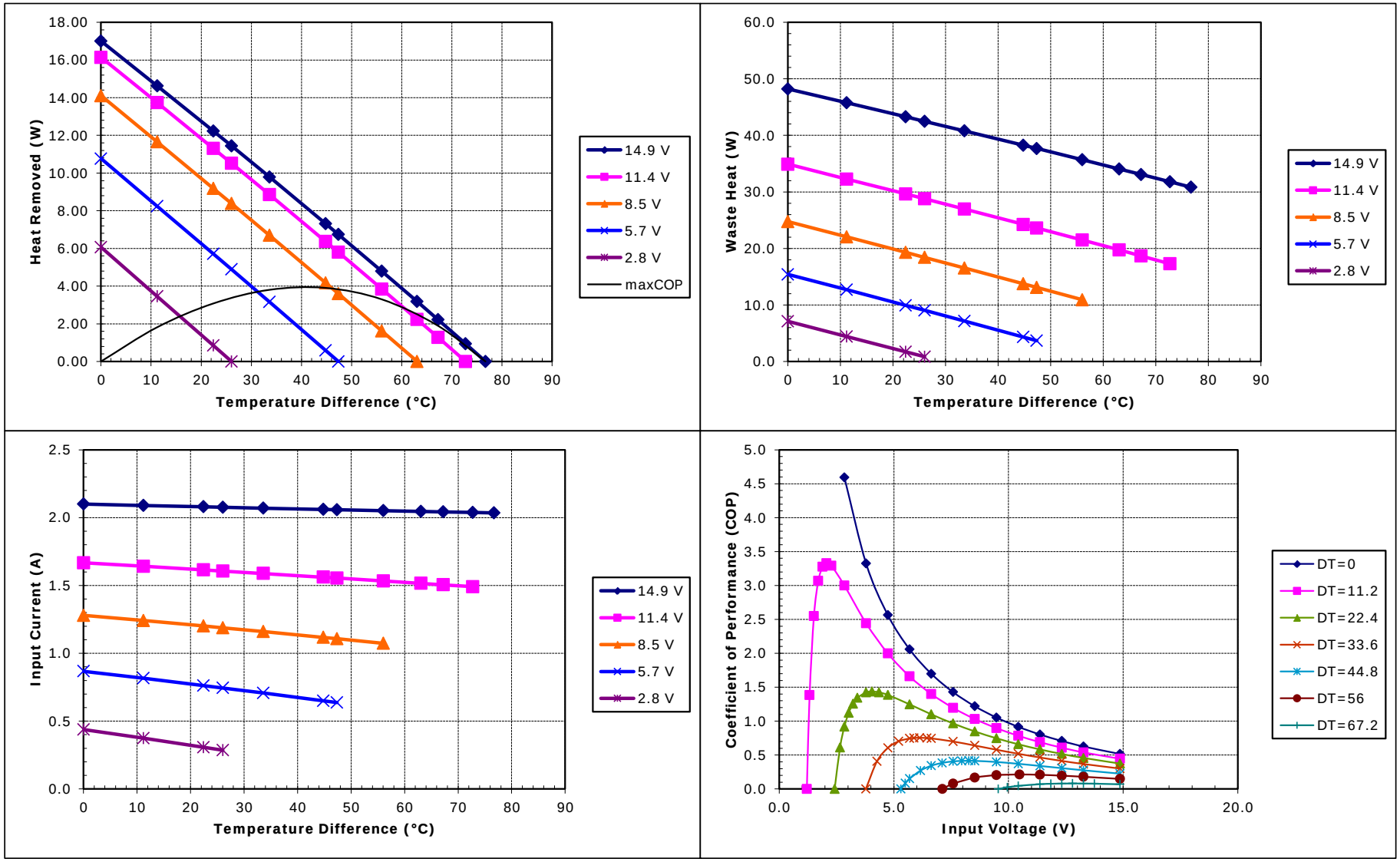

Unpotted TE-109-0.6-0.8 at a hot-side temperature of 50 °C

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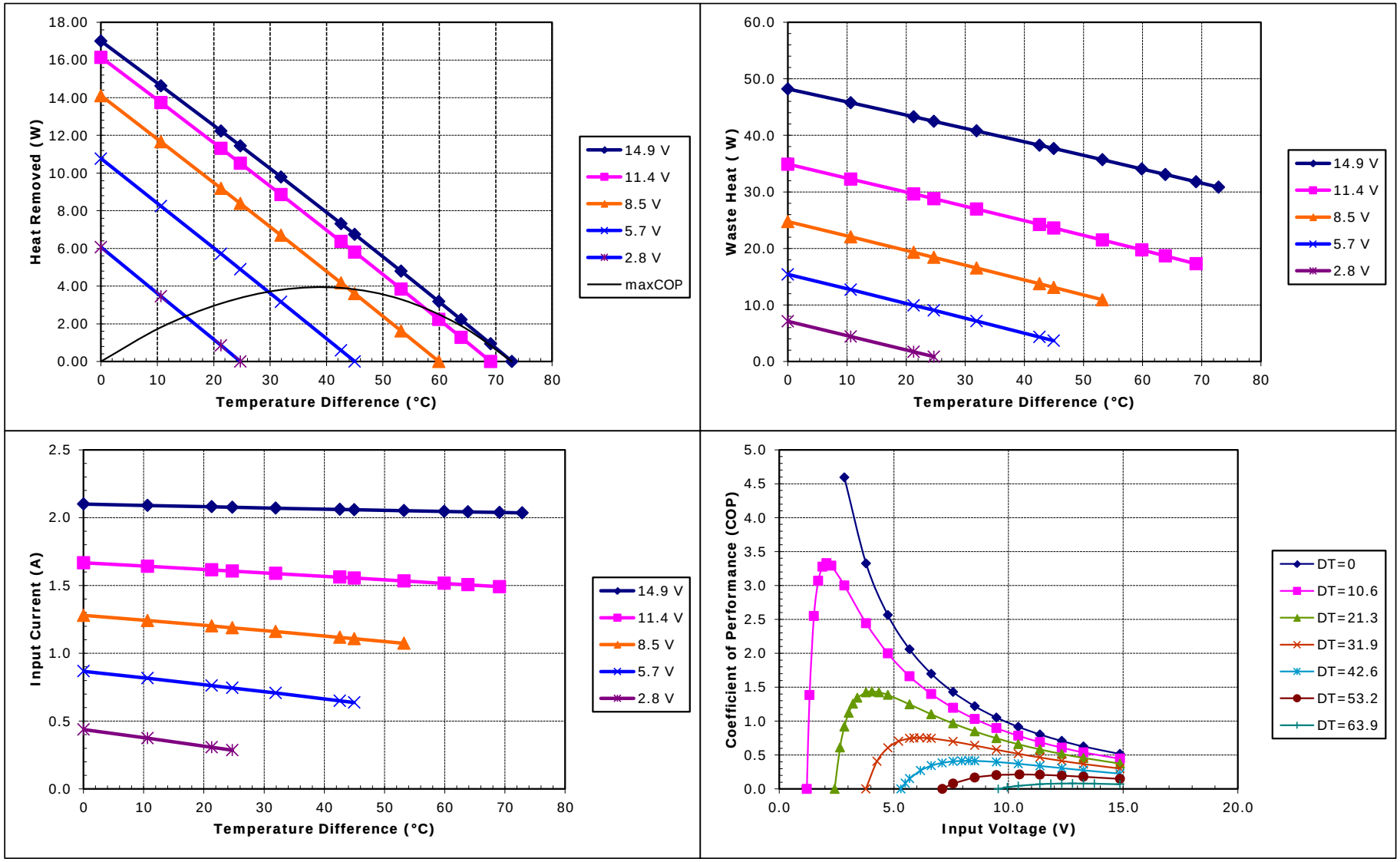

Potted TE-109-0.6-0.8 at a hot-side temperature of 50 °C

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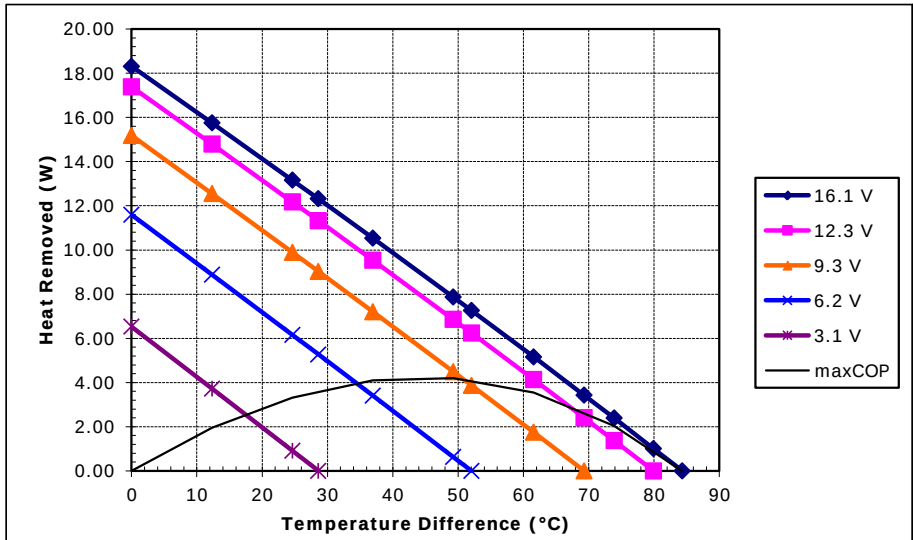

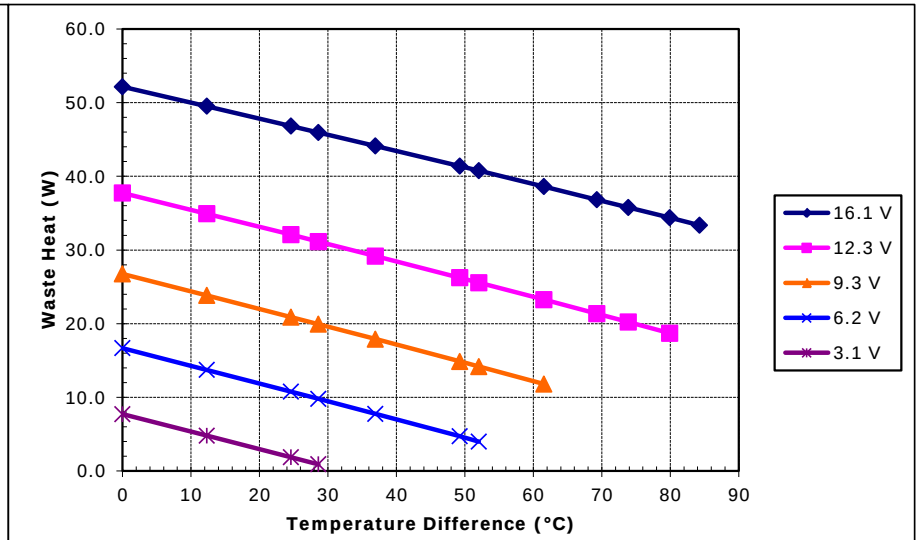

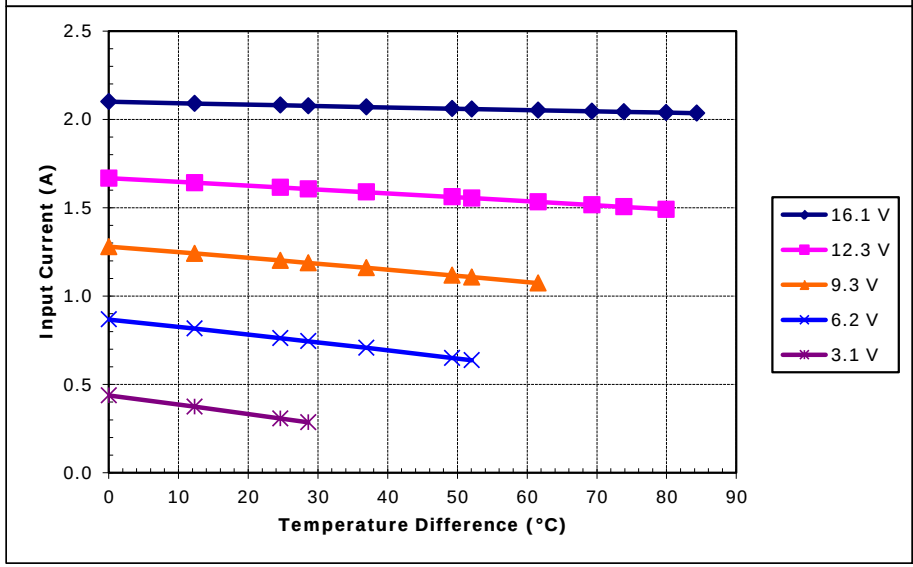

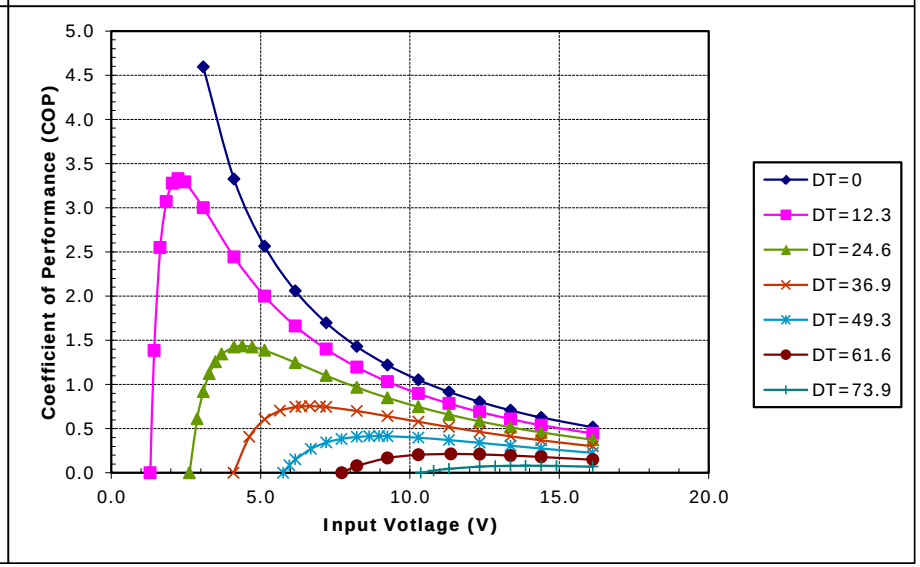

Unpotted TE-109-0.6-0.8 at a hot-side temperature of 70 °C

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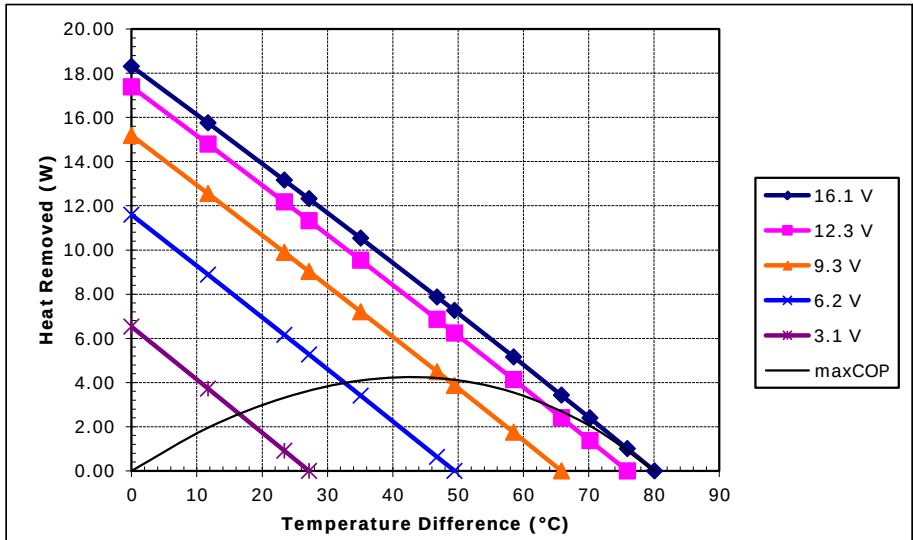

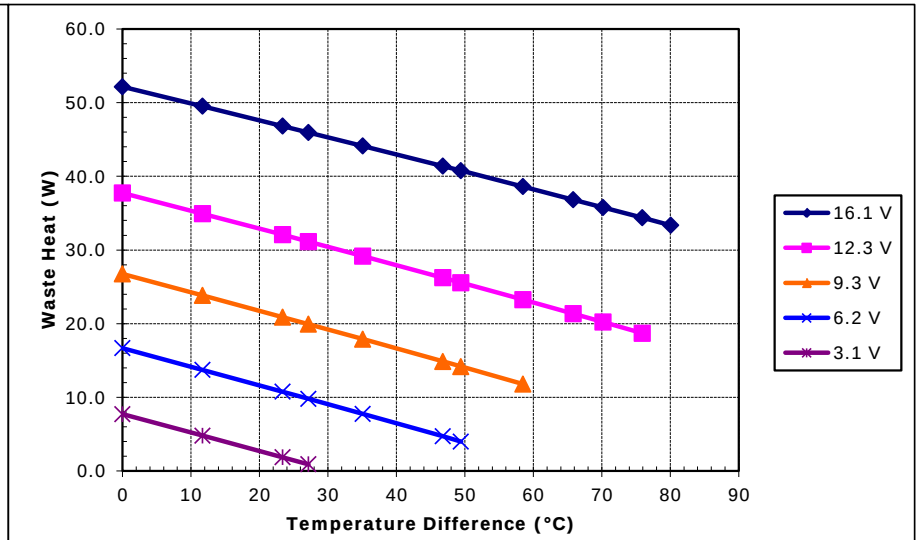

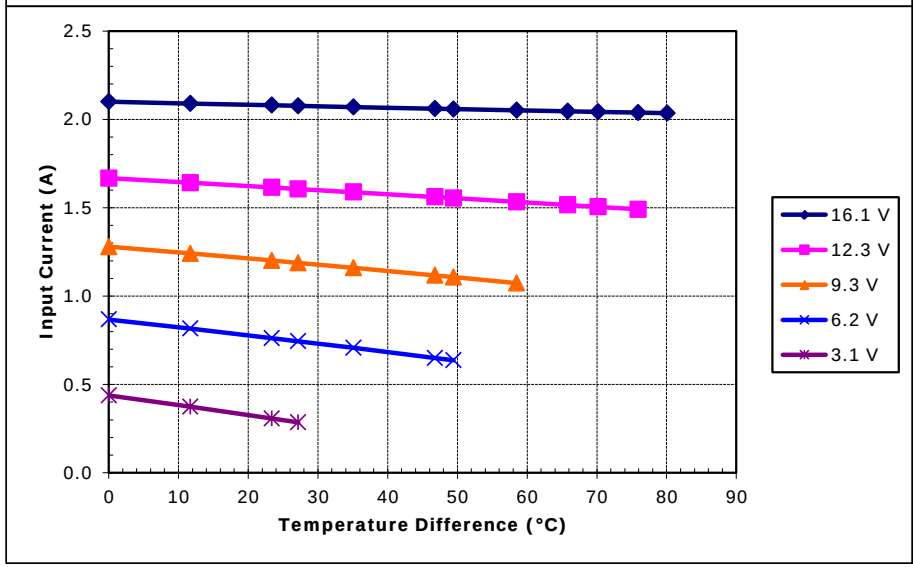

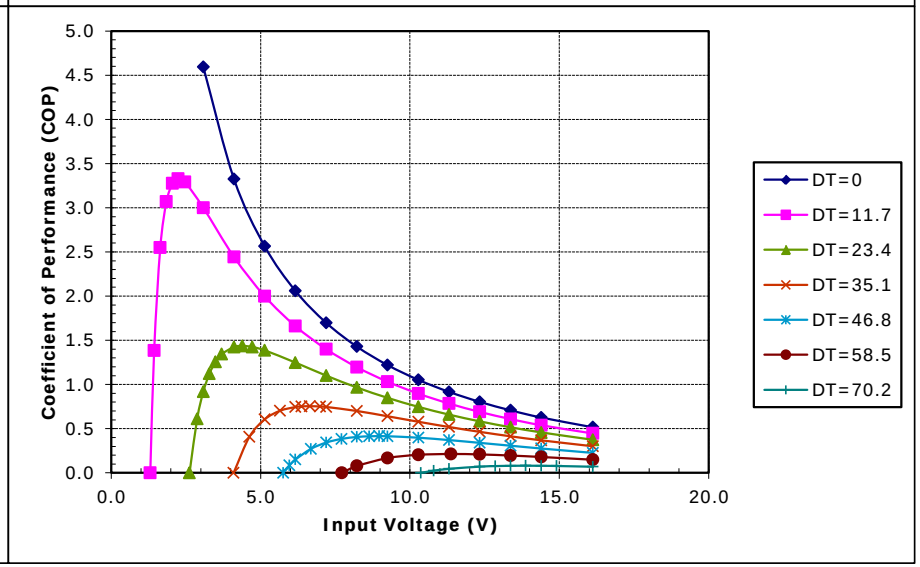

Potted TE-109-0.6-0.8 at a hot-side temperature of 70 °C