

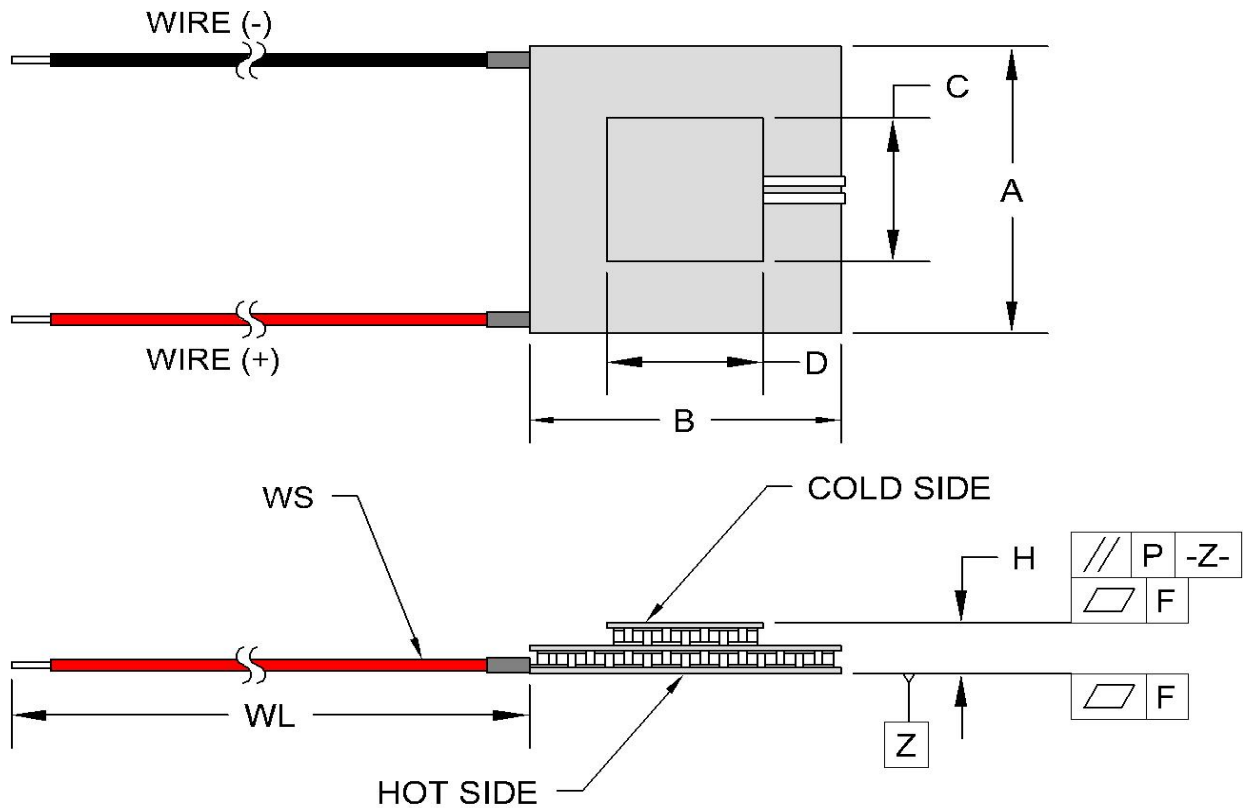
**TE-2-(31-12)-1.0
Thermoelectric Module
(Peltier Module)
Specifications**

	Material Specifications (27 °C hot side temperature)	Material Specifications (50 °C hot side temperature)
Vmax (V)	3.7	4.1
I _{max} (A)	1.4	1.4
Q _{max} (W)	1.6	1.8
DT _{max} (°C)	91	103
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)	8 +0.5/-0.2
Width, B (mm)	10 +0.5/-0.2
Width, C (mm)	4 +0.5/-0.2
Width, D (mm)	6 +0.5/-0.2
Height, H (mm)	5.35 ±0.35
Flatness, F (mm)	0.1
Parallelism, P (mm)	0.15
Wire Size, WS (mm ²)	0.2
Wire Length, WL (mm)	120

Optional Features and Notes:

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

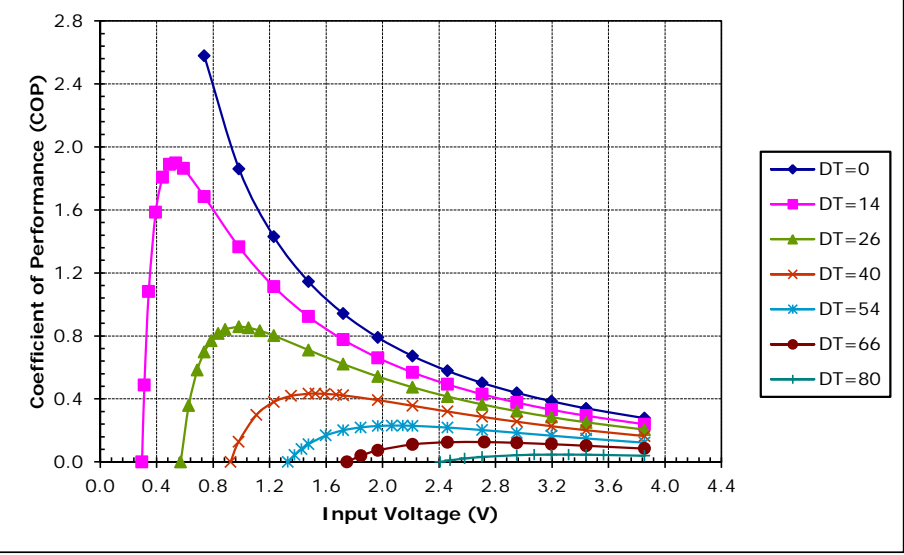
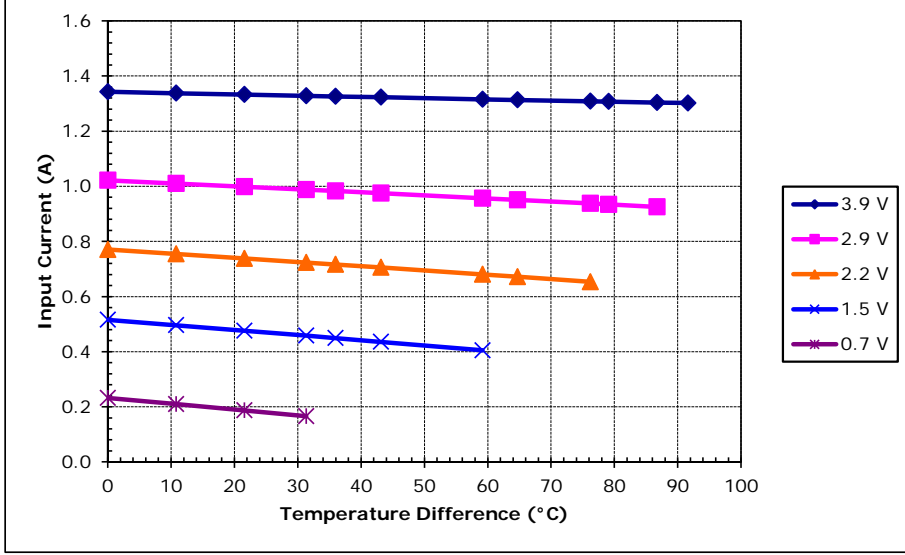
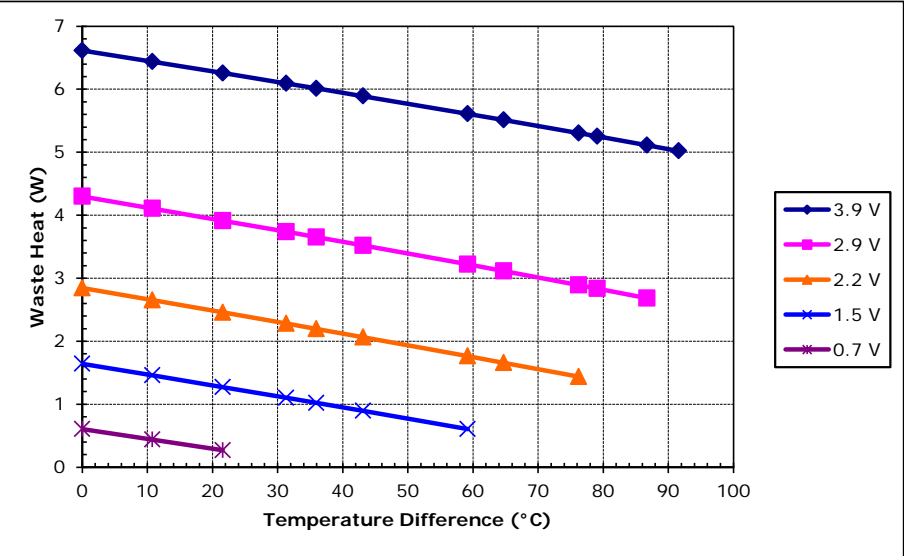
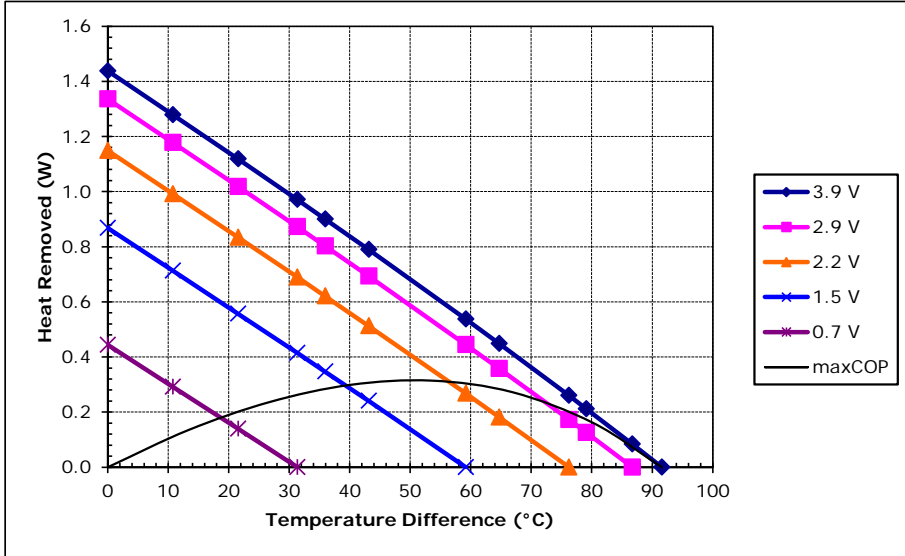
Heat shrink, though depicted, is not actually included due to space constraints

Performance graphs include thermal resistance of substrates.

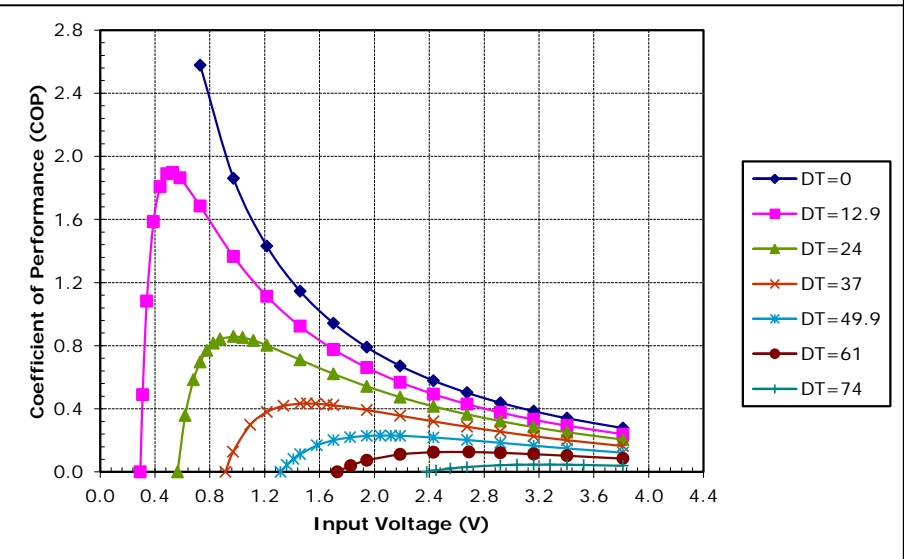
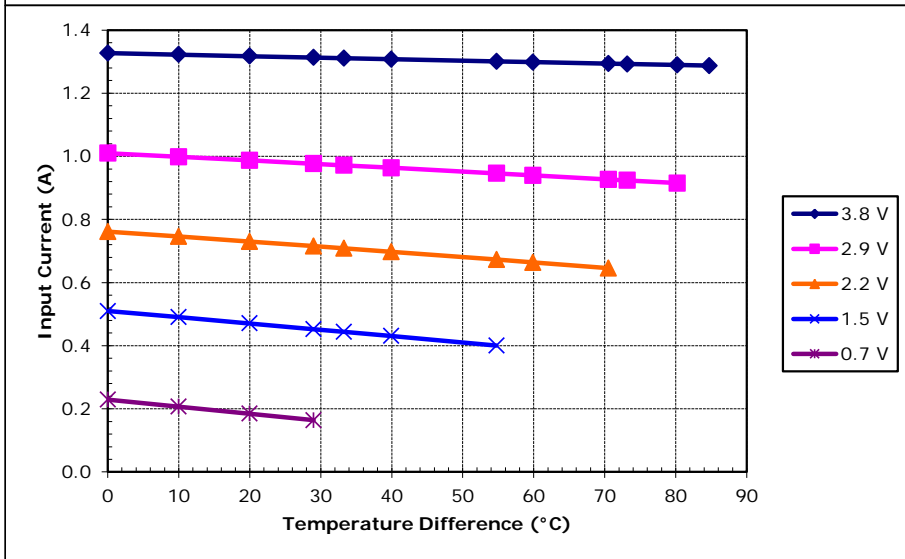
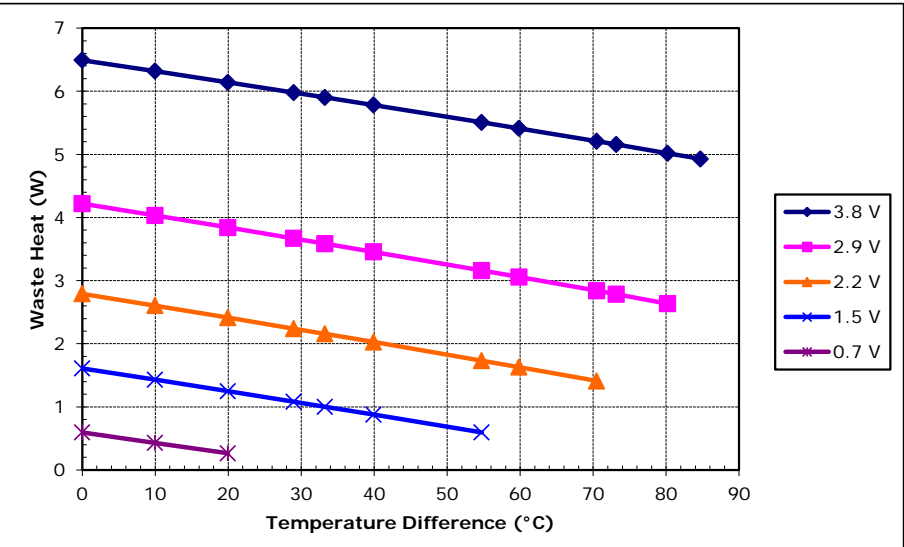
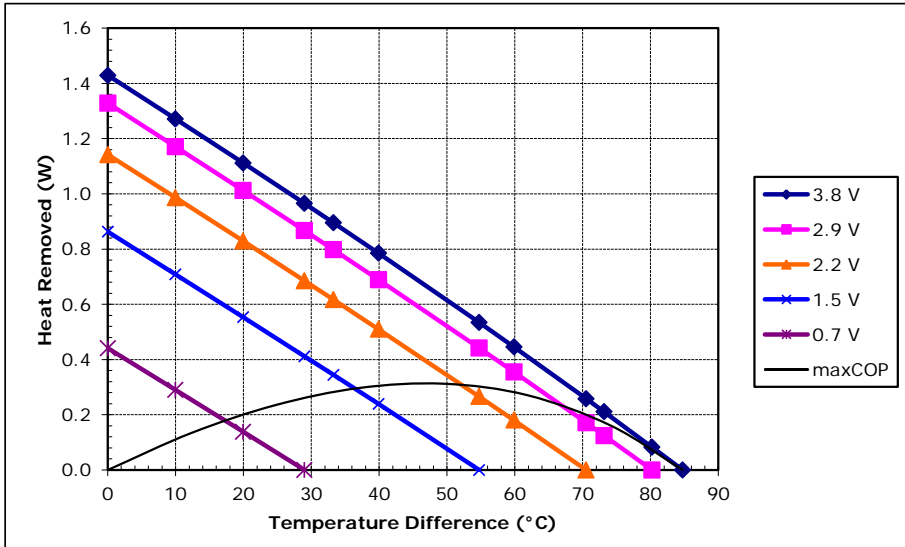
RoHS Compliant

TE TECHNOLOGY, INC.®

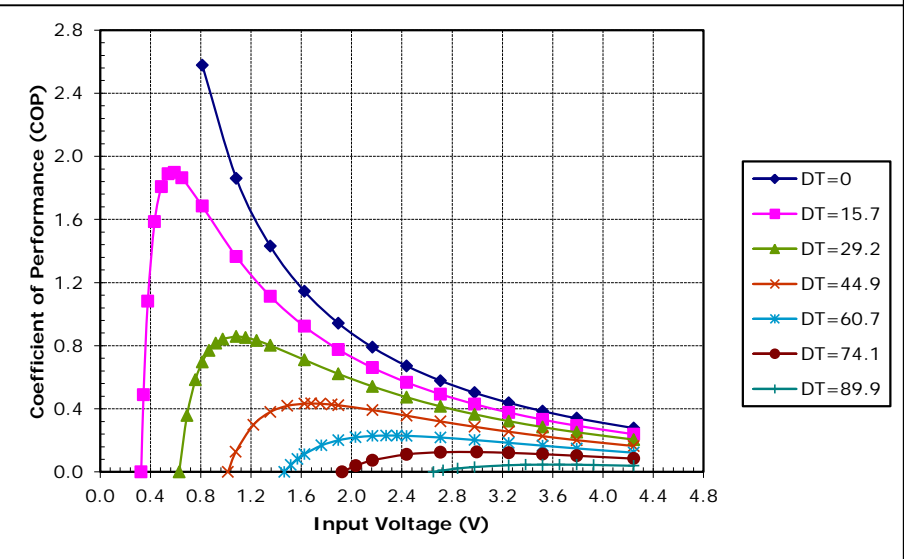
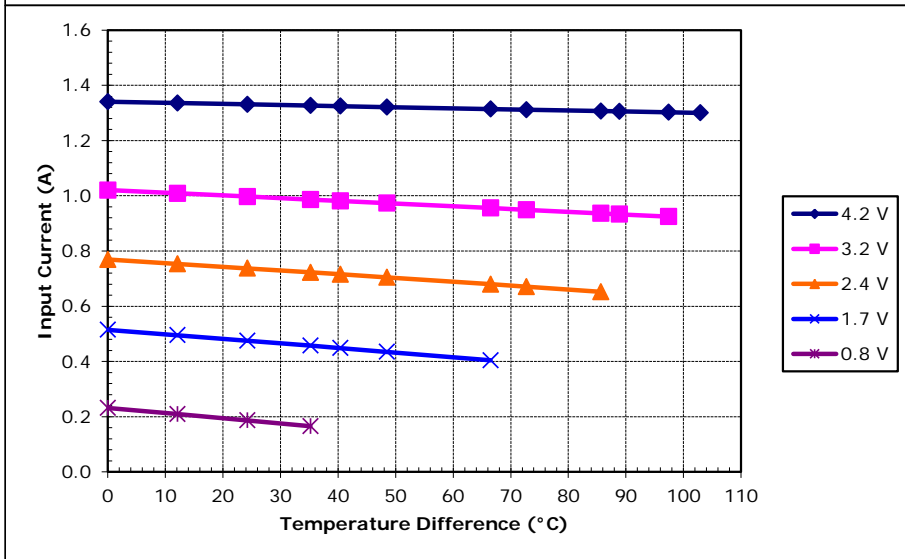
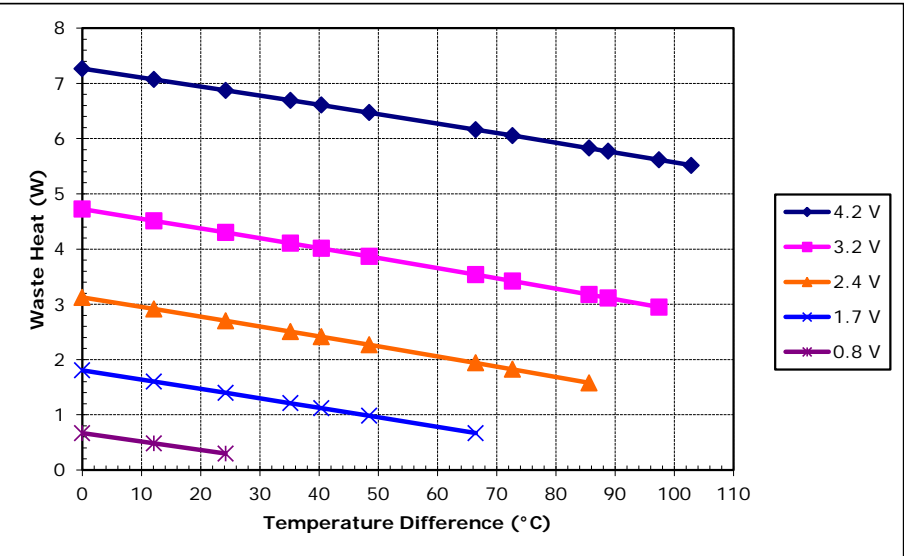
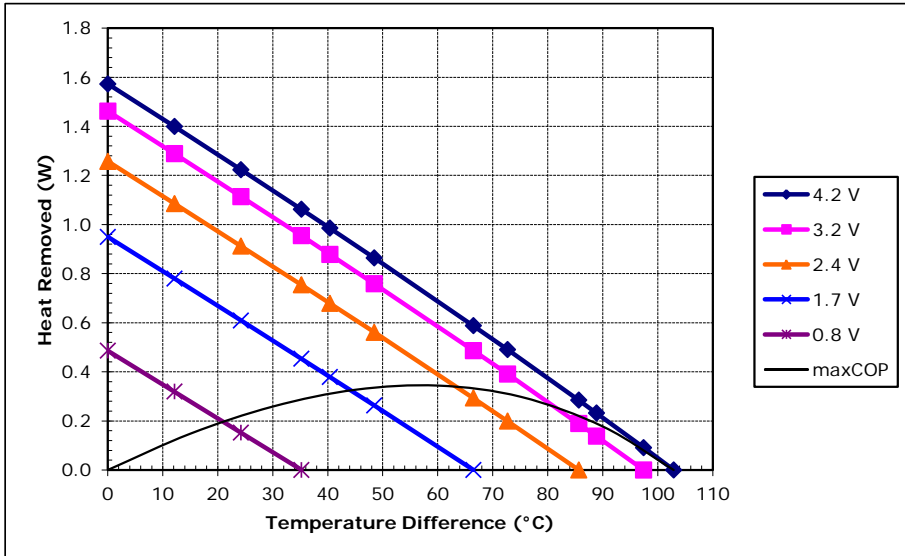
1590 Keane Drive, Traverse City, MI, 49696-8257 USA
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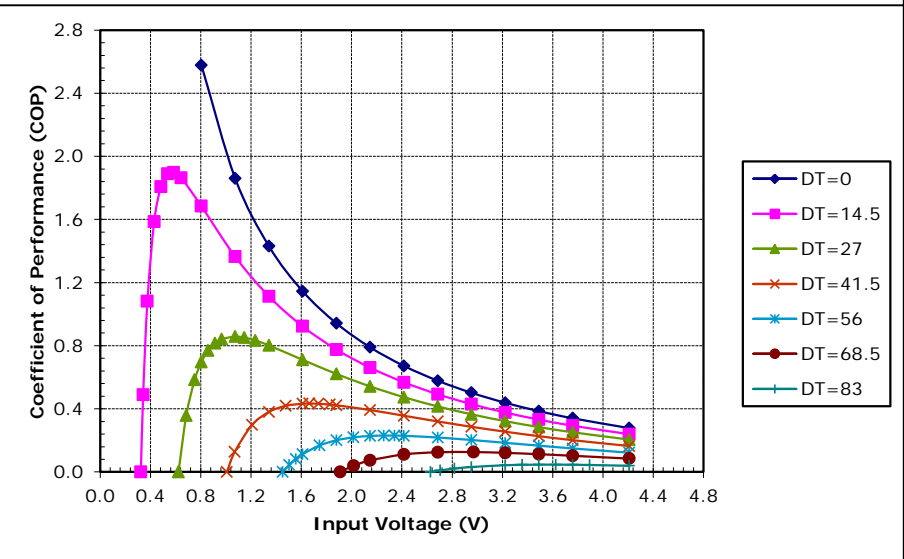
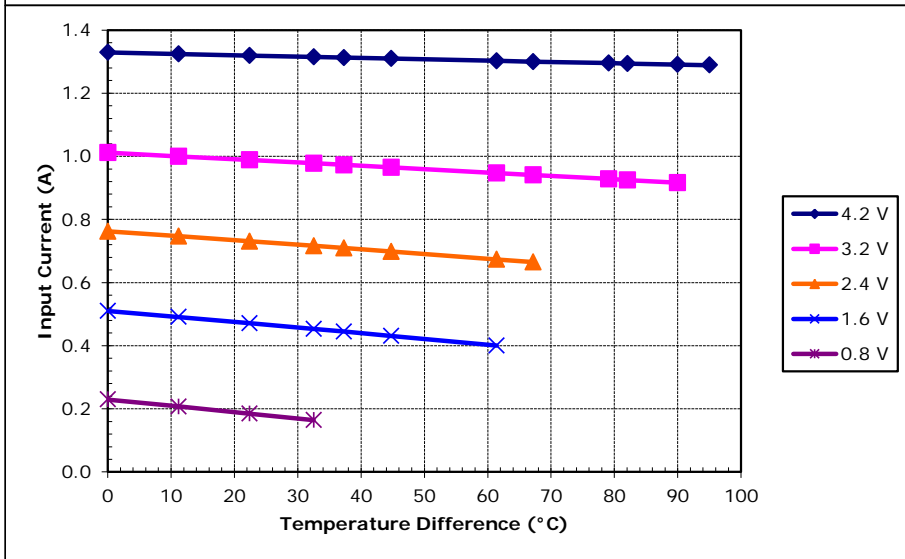
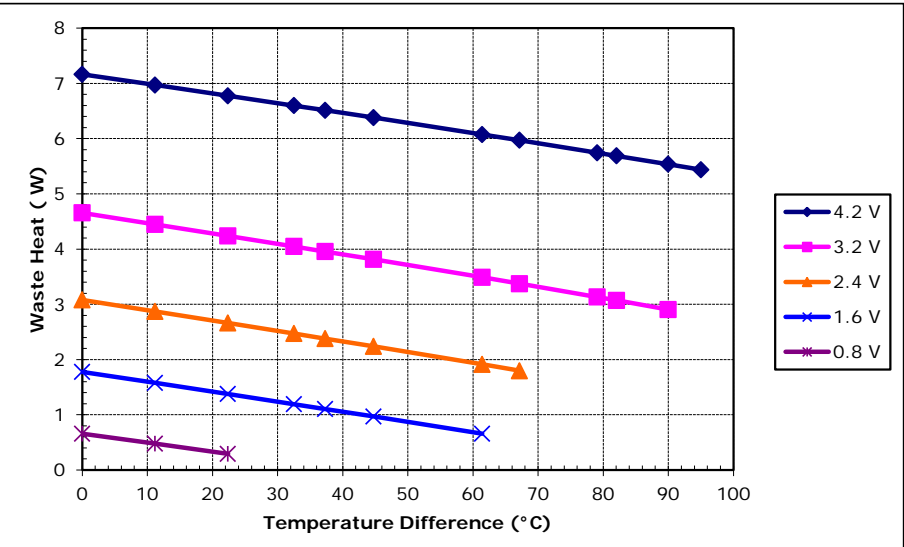
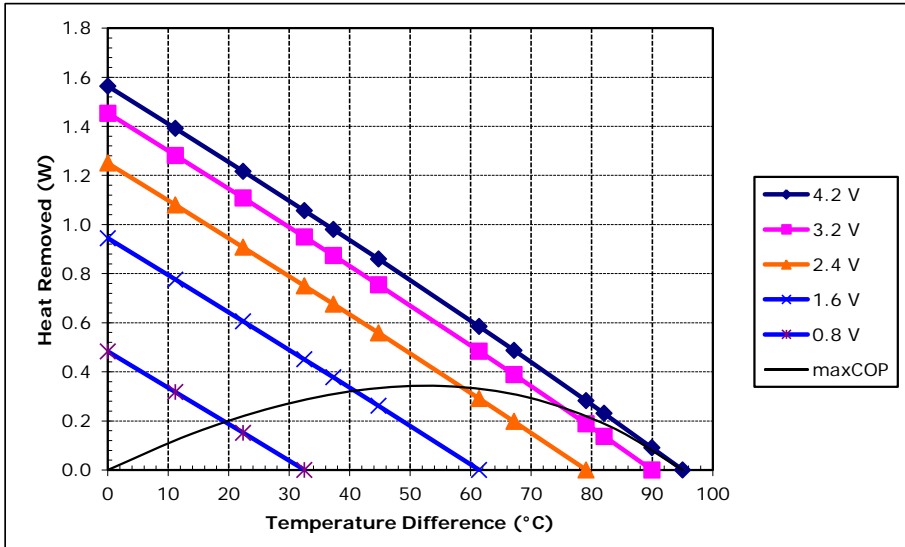
Unpotted TE-2-(31-12)-1.0 at a hot-side temperature of 30 °C



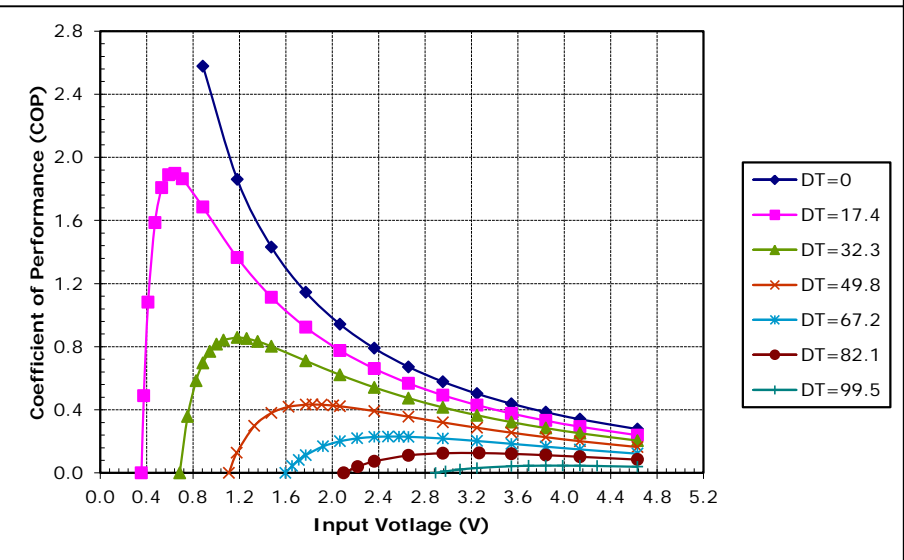
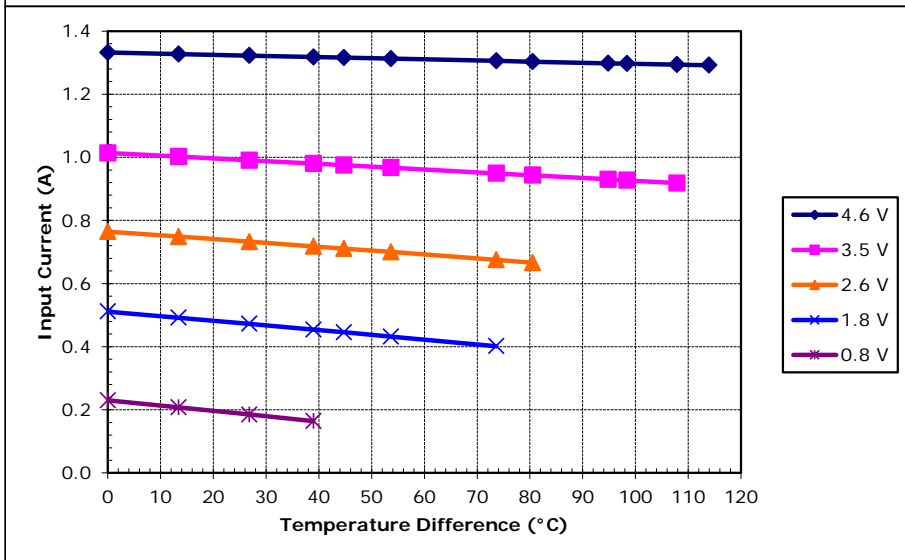
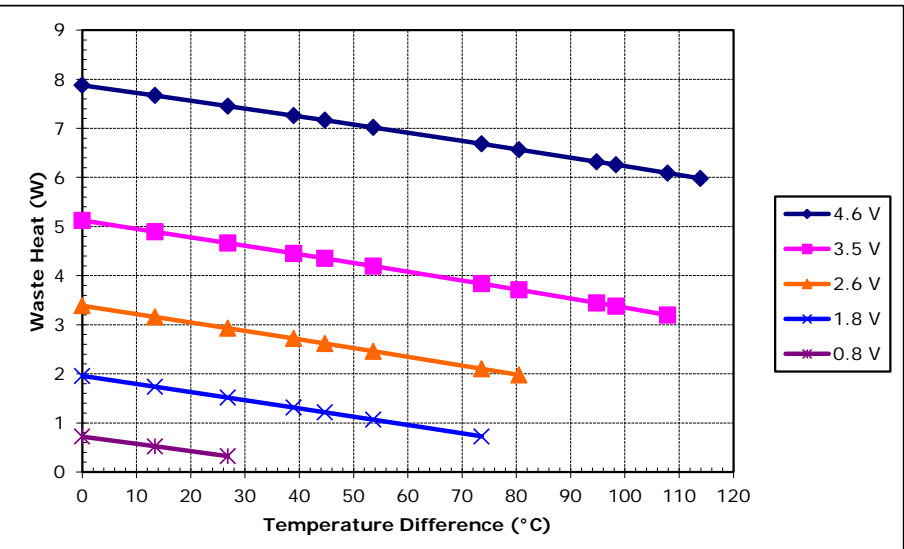
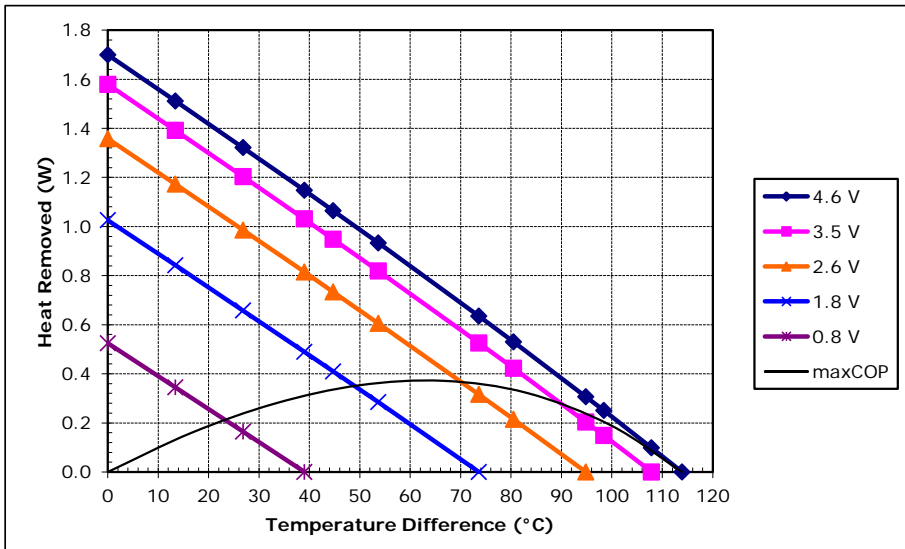
Potted TE-2-(31-12)-1.0 at a hot-side temperature of 30 °C



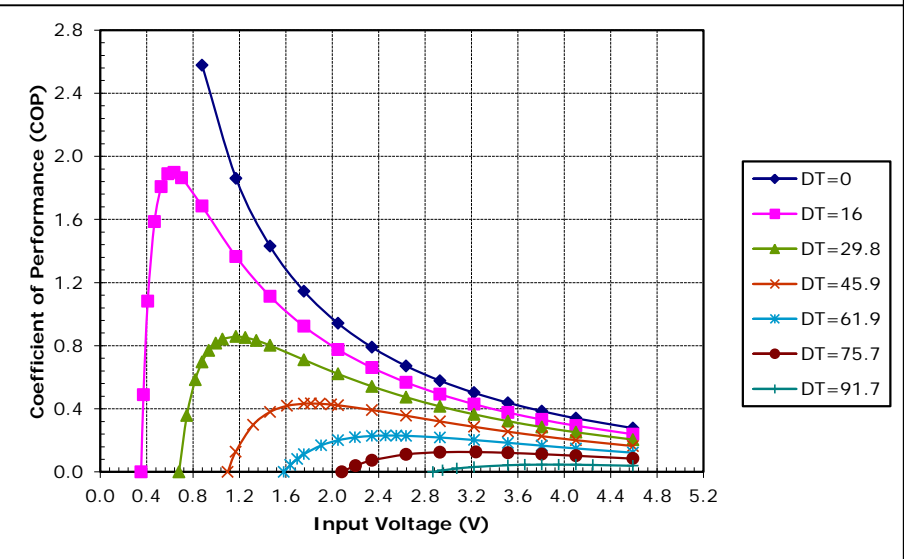
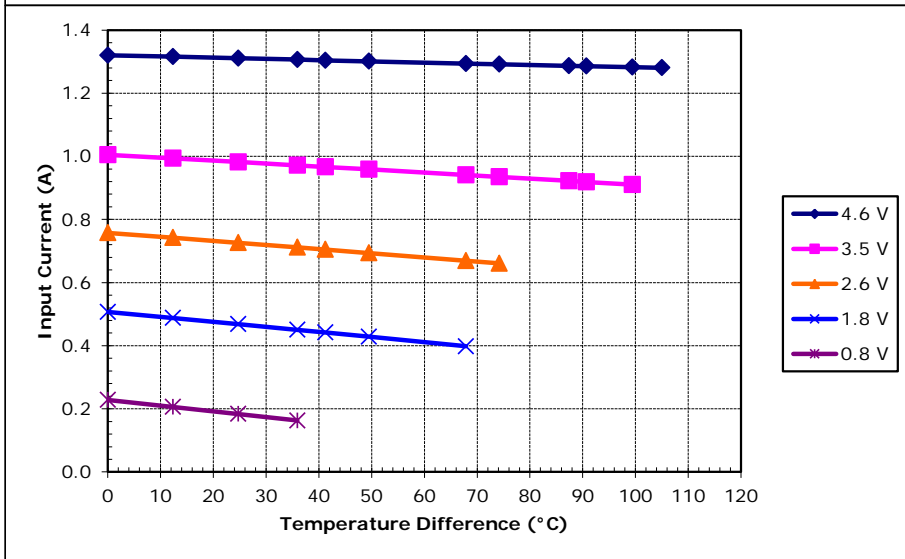
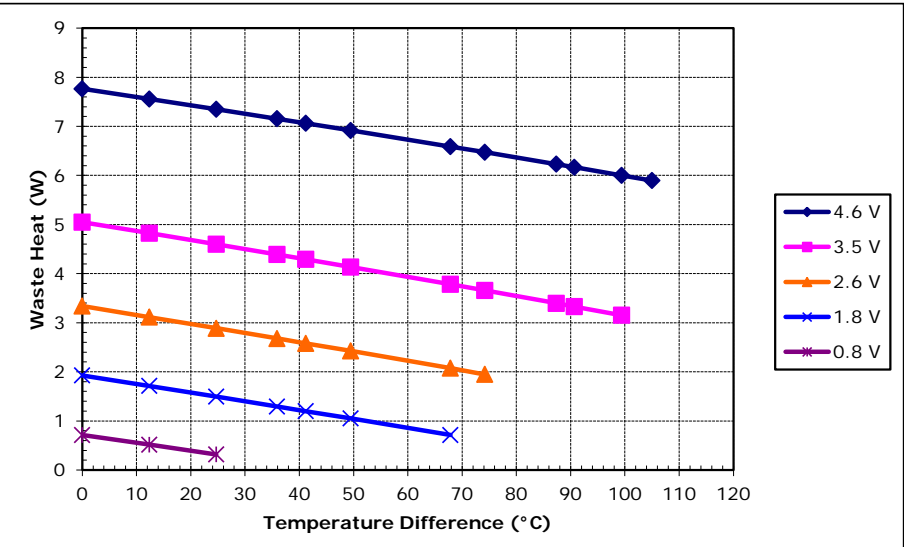
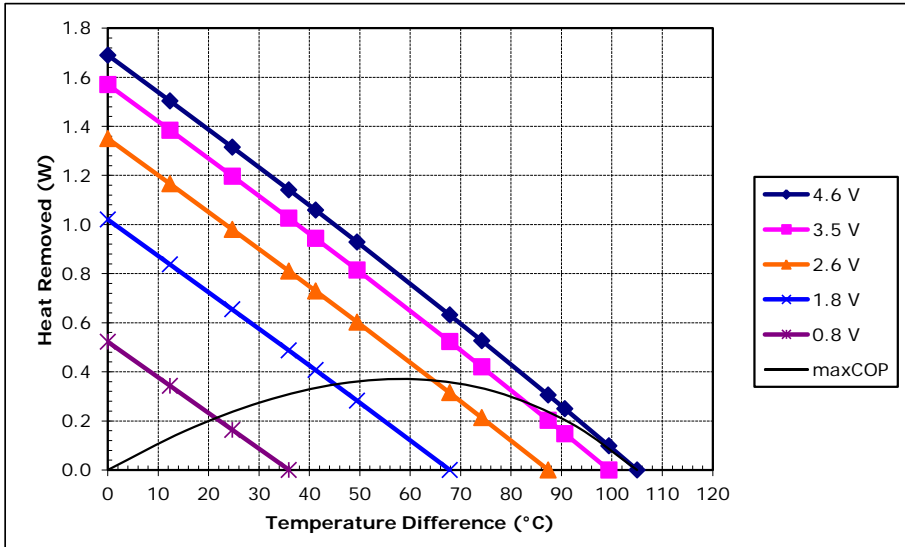
Unpotted TE-2-(31-12)-1.0 at a hot-side temperature of 50 °C



Potted TE-2-(31-12)-1.0 at a hot-side temperature of 50 °C



Unpotted TE-2-(31-12)-1.0 at a hot-side temperature of 70 °C



Potted TE-2-(31-12)-1.0 at a hot-side temperature of 70 °C