

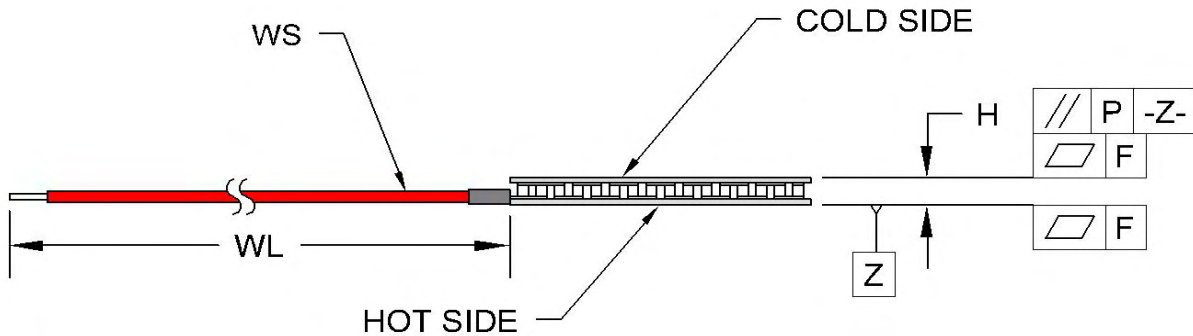
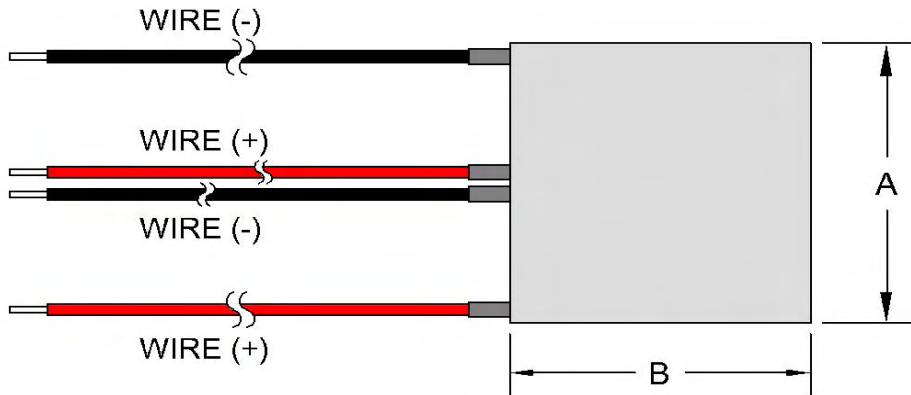
**SP-262-1.0-1.3 (Series)
Thermoelectric Module
(Peltier Module)
Specifications**

| | Material Specifications (27 °C hot side temperature) | Material Specifications (50 °C hot side temperature) |
|-------------------------------|---|---|
| Vmax (V) | 31.4 | 34.8 |
| I _{max} (A) | 3.6 | 3.6 |
| Q _{max} (W) | 70.0 | 76.8 |
| DT _{max} (°C) | 69 | 78 |
| 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*, FAQ's and ordering information posted on our website before purchasing or using this product.



| | |
|----------------------------------|--------------|
| Width, A (mm) | 40 +0.5/-0.2 |
| Width, B (mm) | 40 +0.5/-0.2 |
| Height, H (mm) | 3.6 ±0.05 |
| Flatness, F (mm) | 0.02 |
| Parallelism, P (mm) | 0.03 |
| Wire Size, WS (mm ²) | 0.35 |
| Wire Length, WL (mm) | 120 |

Optional Features and Notes:

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

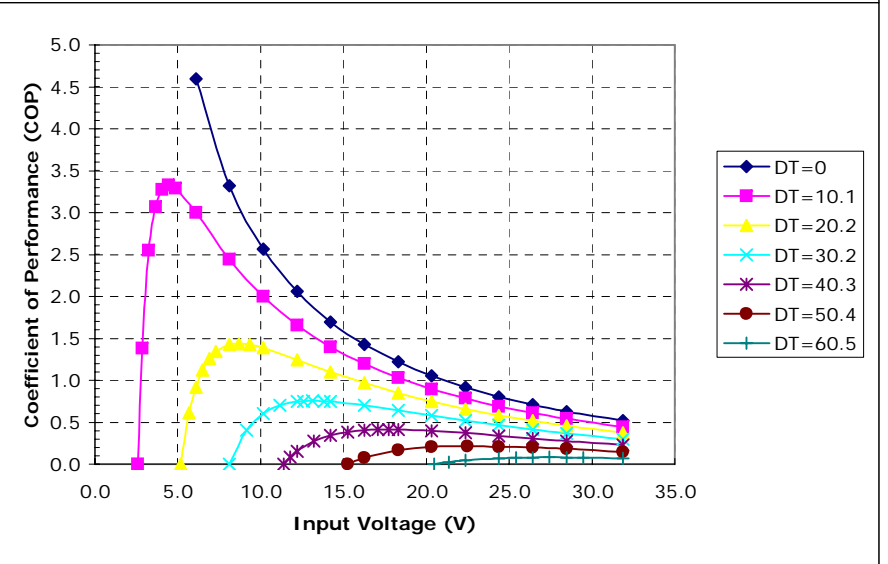
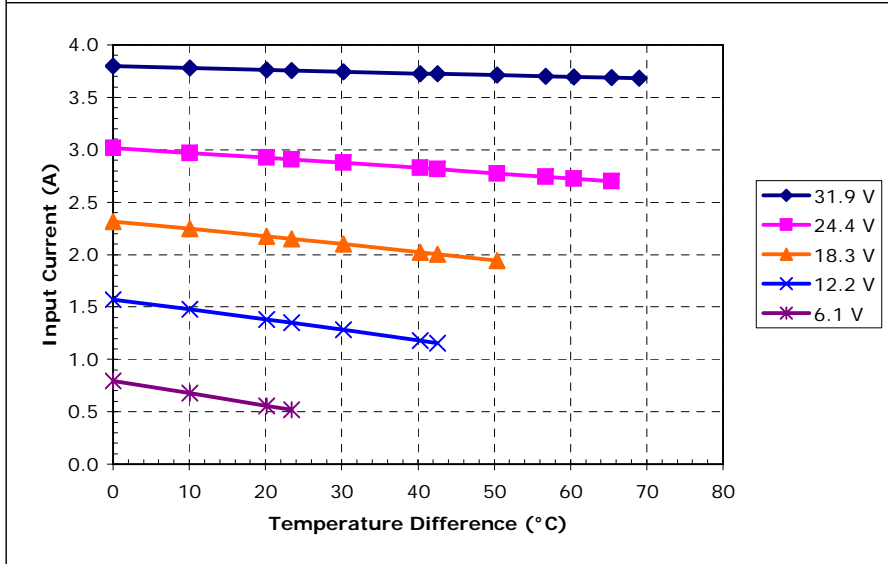
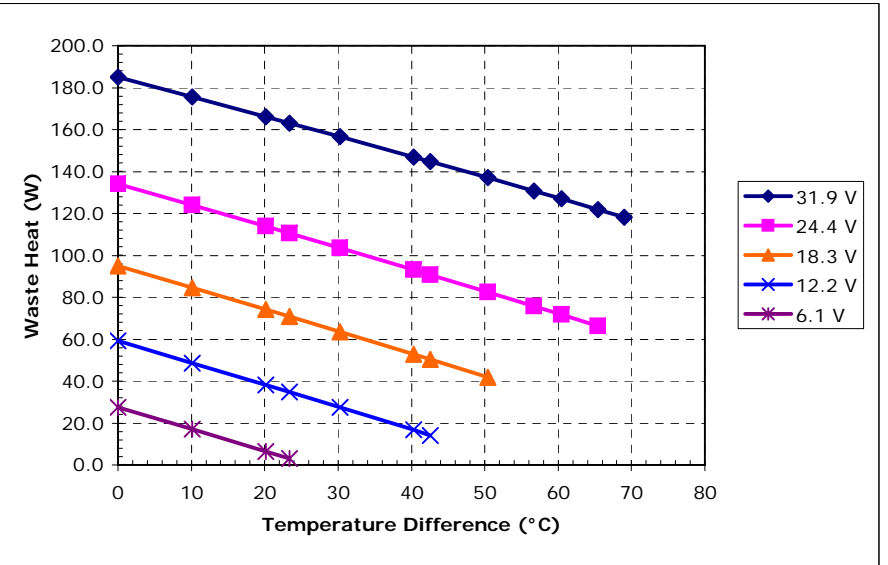
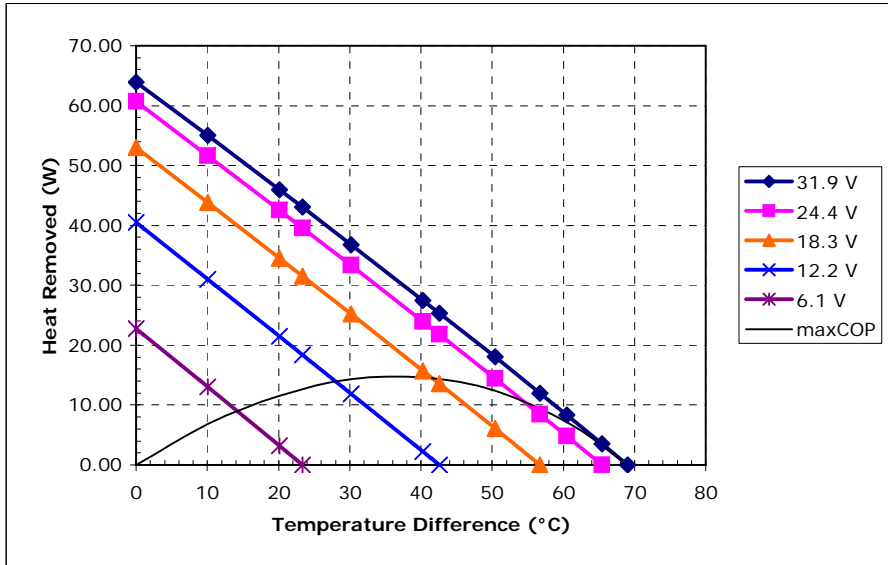
Module can be configured in parallel mode as well.

Performance graphs include thermal resistance of substrates.

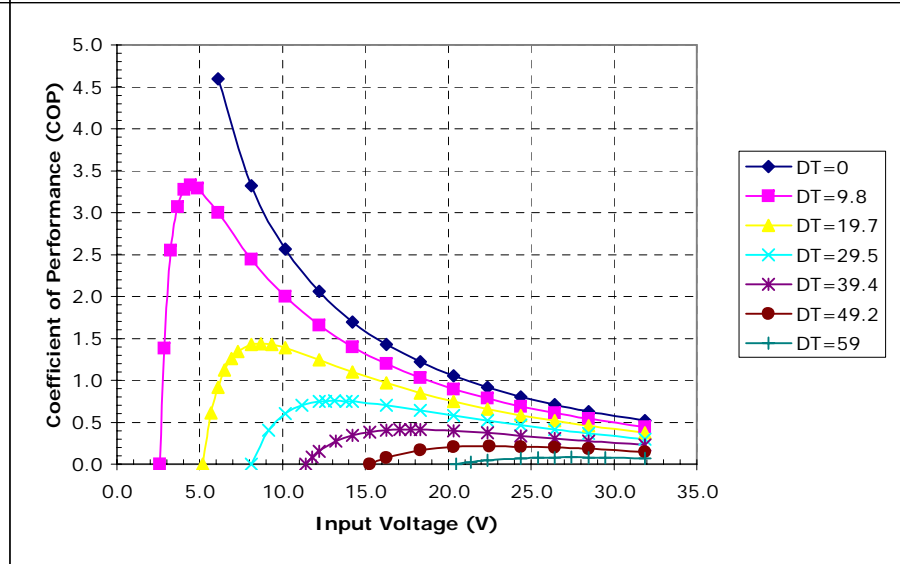
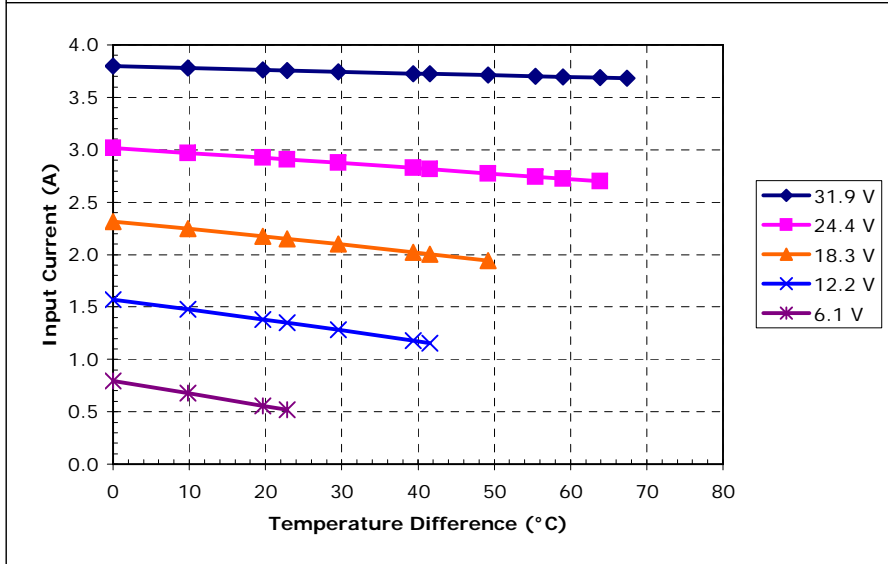
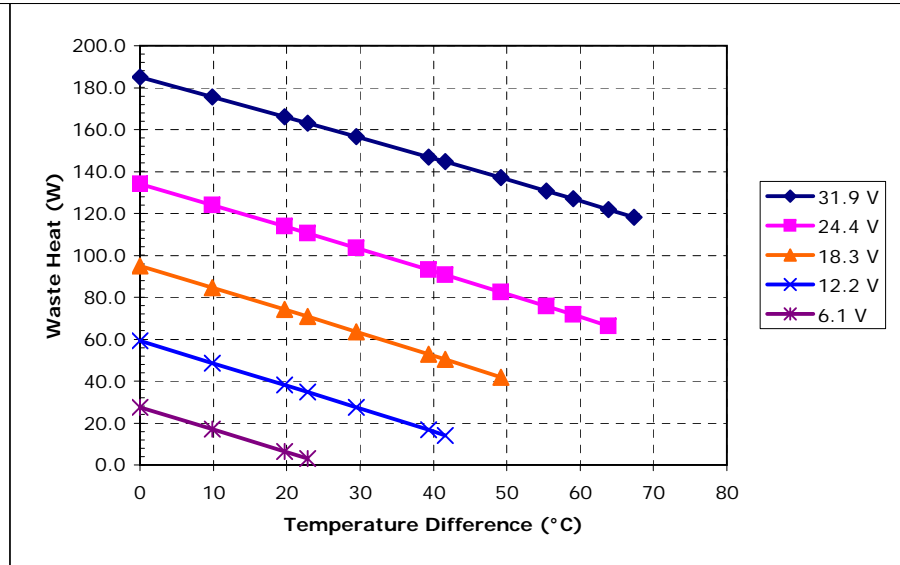
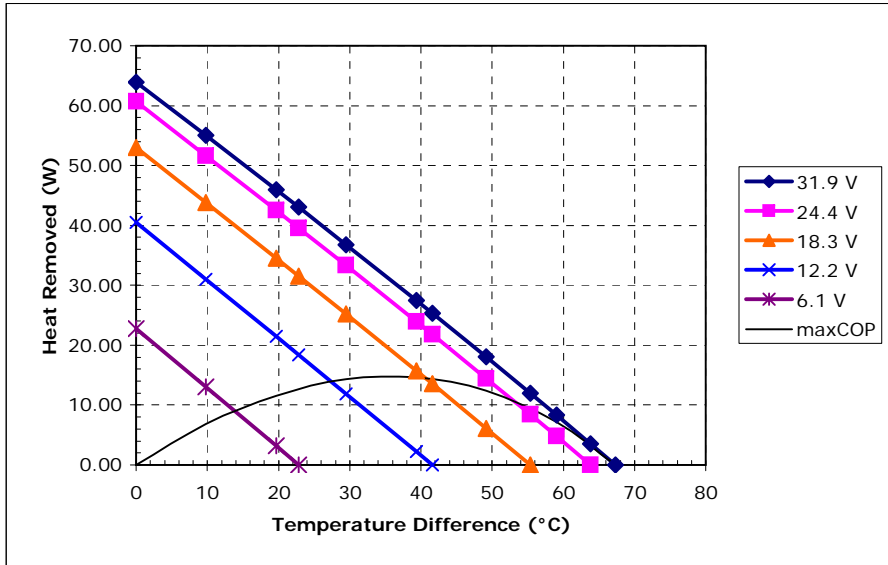
RoHS Compliant
Directive 202/95/EC



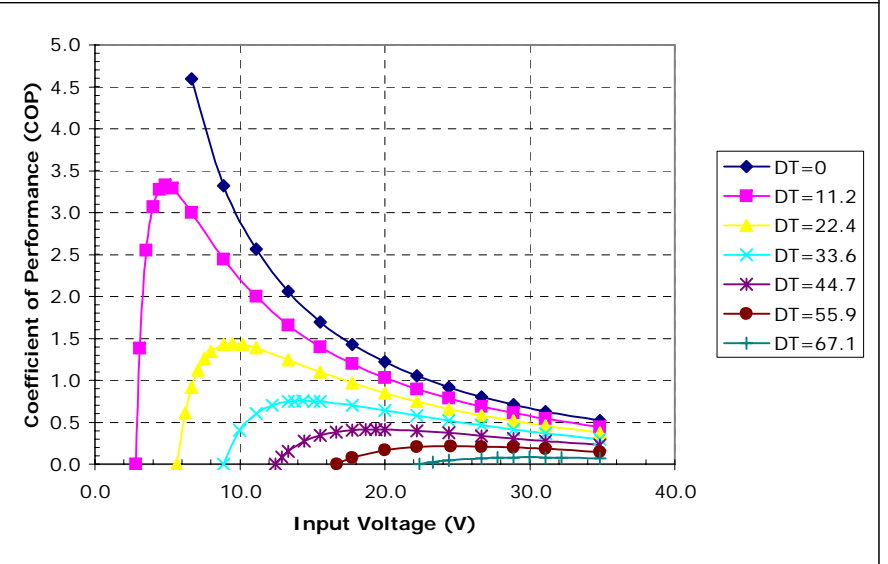
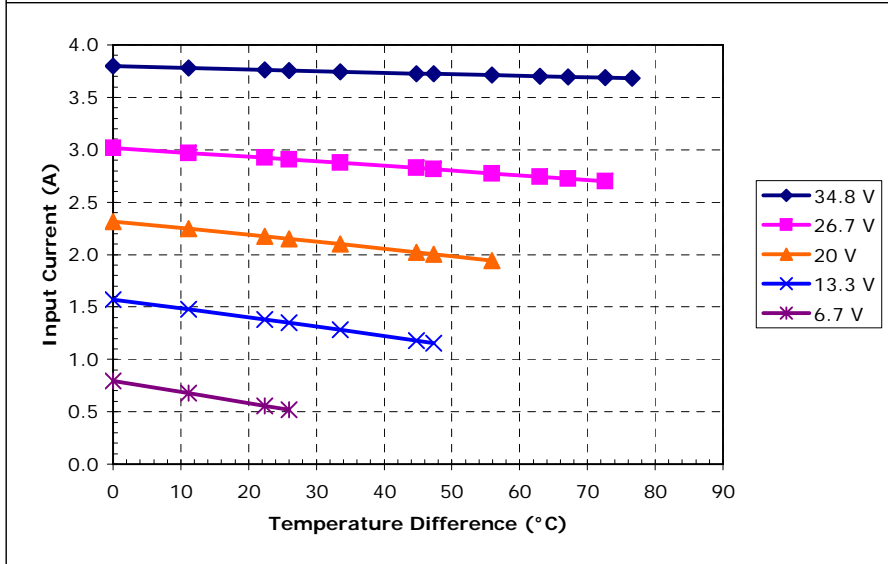
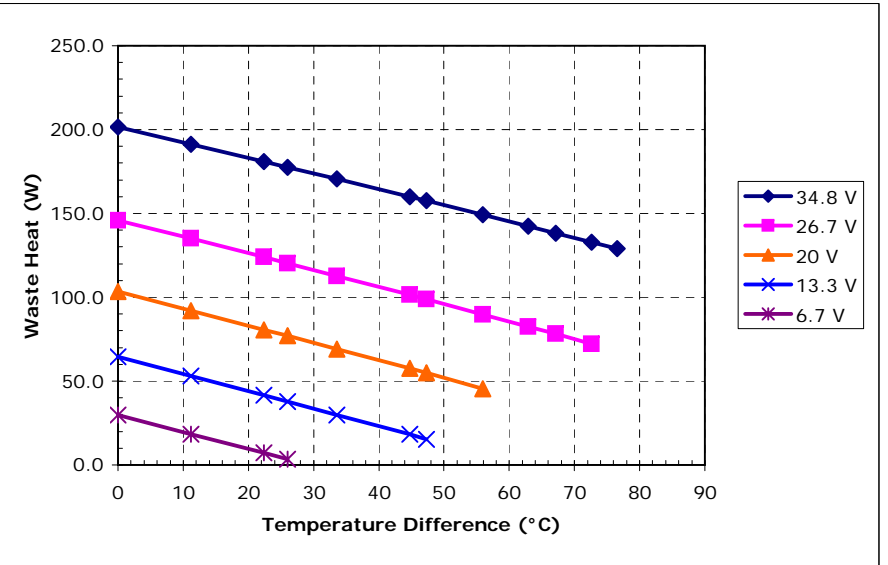
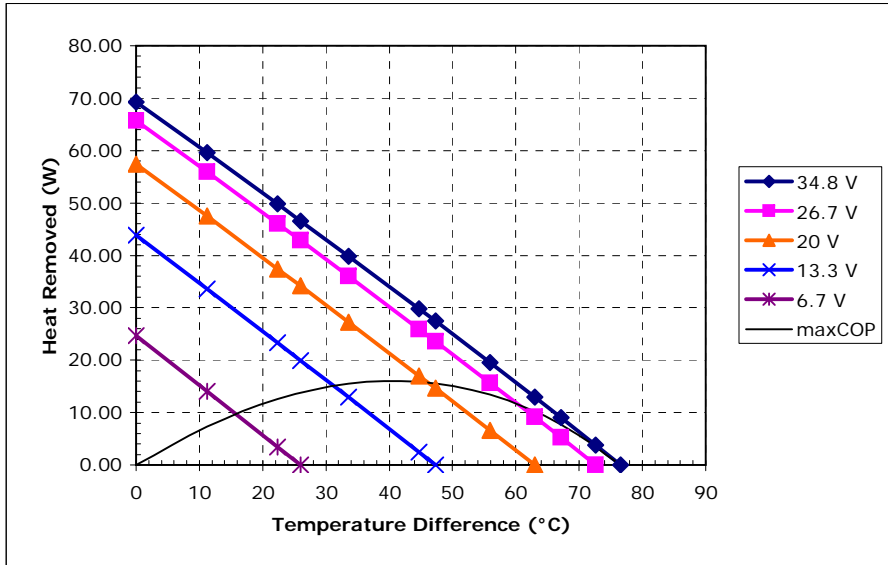
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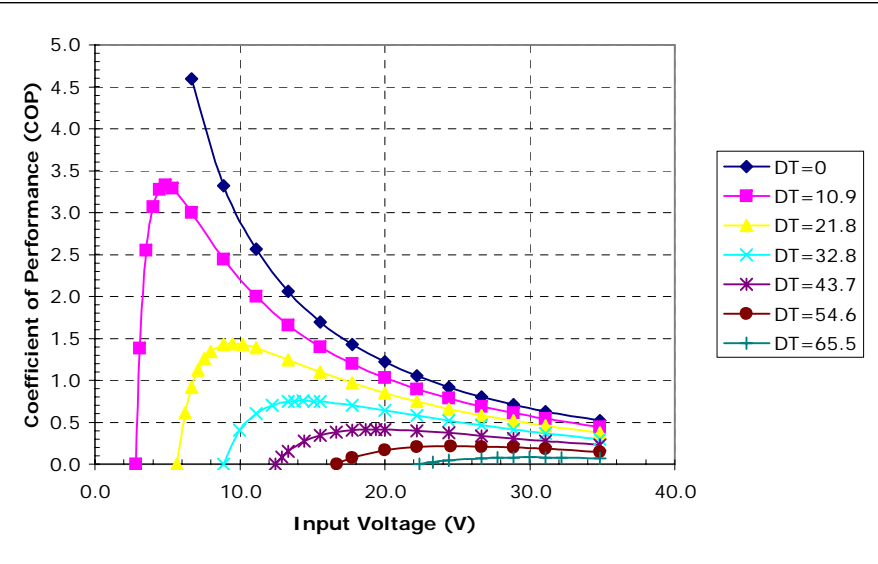
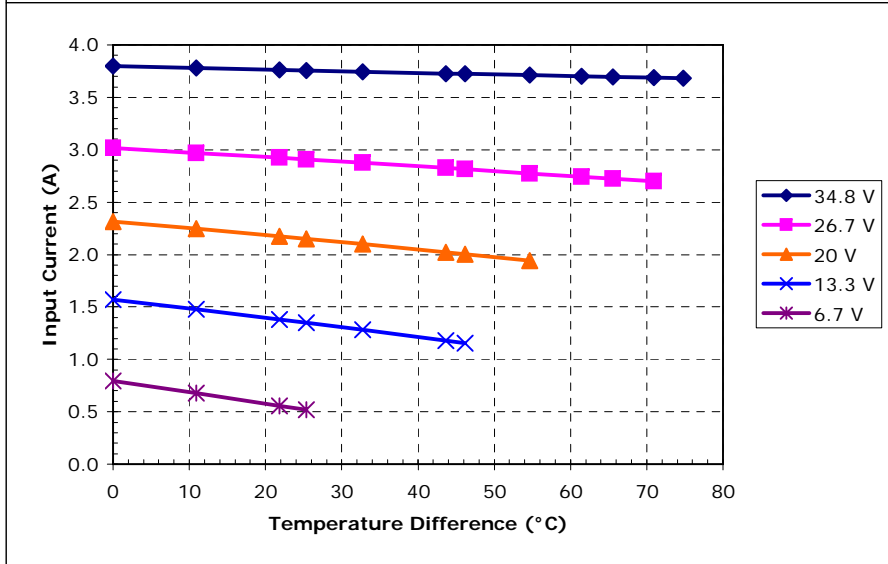
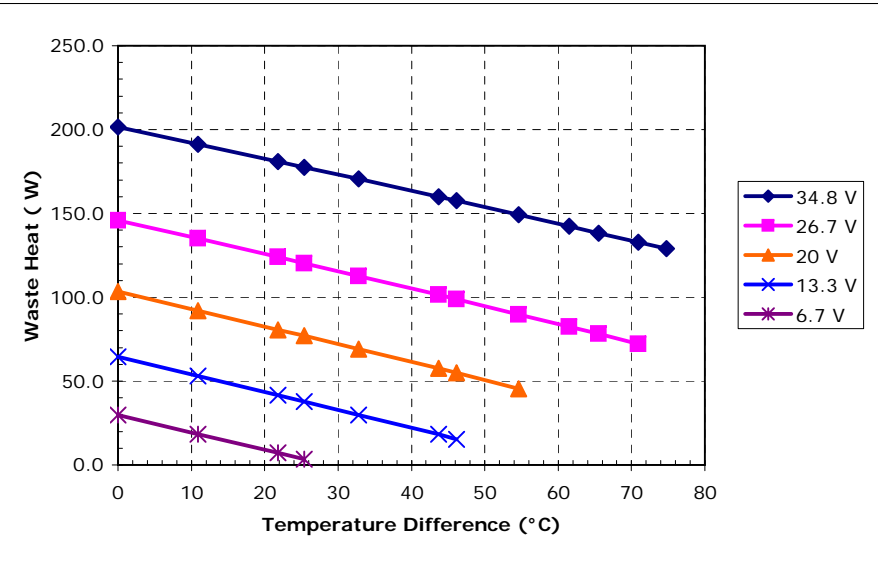
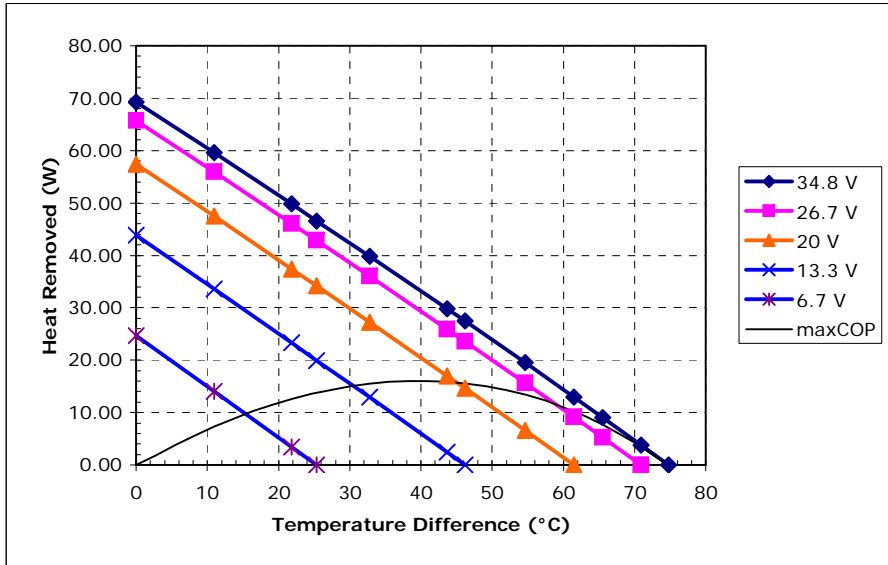
Unpotted SP-262-1.0-1.3 (Series) at a hot-side temperature of 30 °C



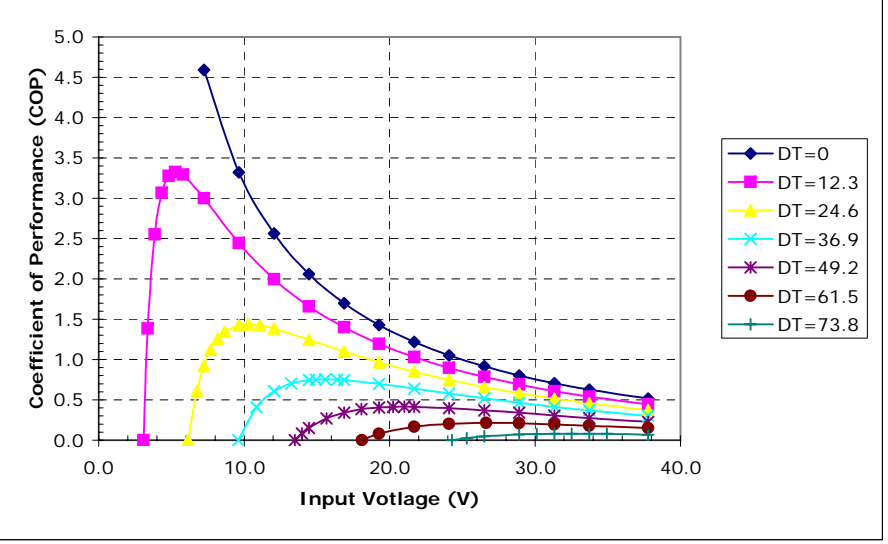
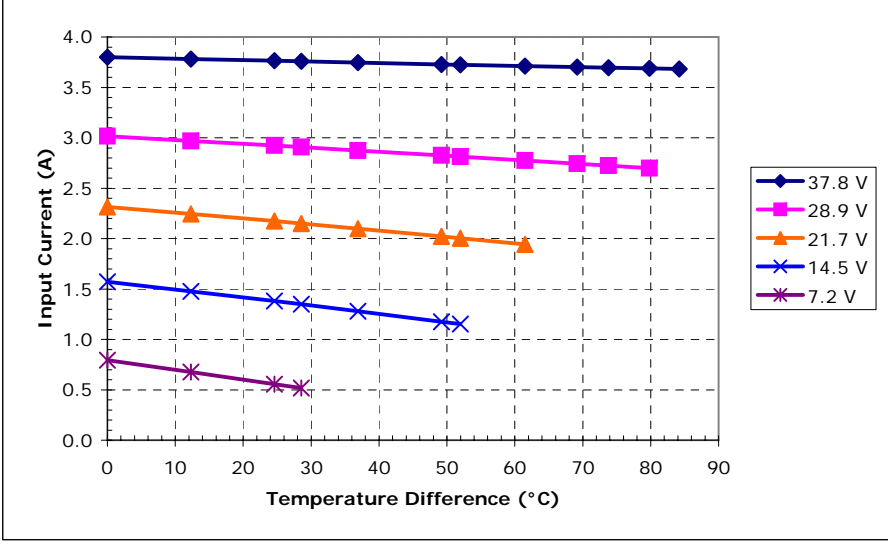
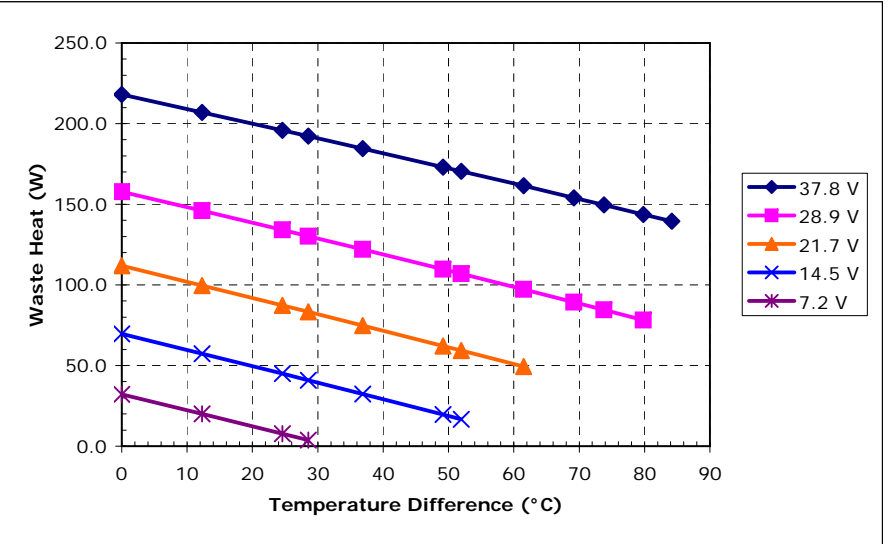
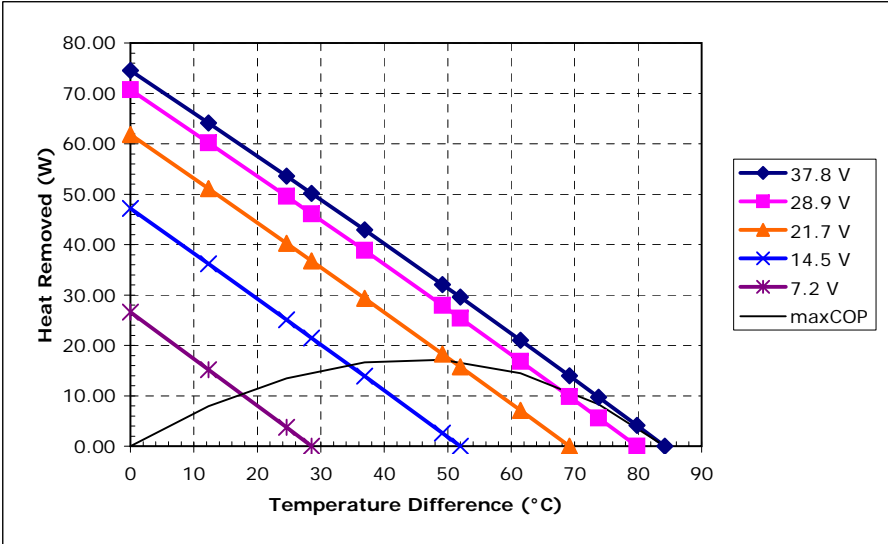
Potted SP-262-1.0-1.3 (Series) at a hot-side temperature of 30 °C



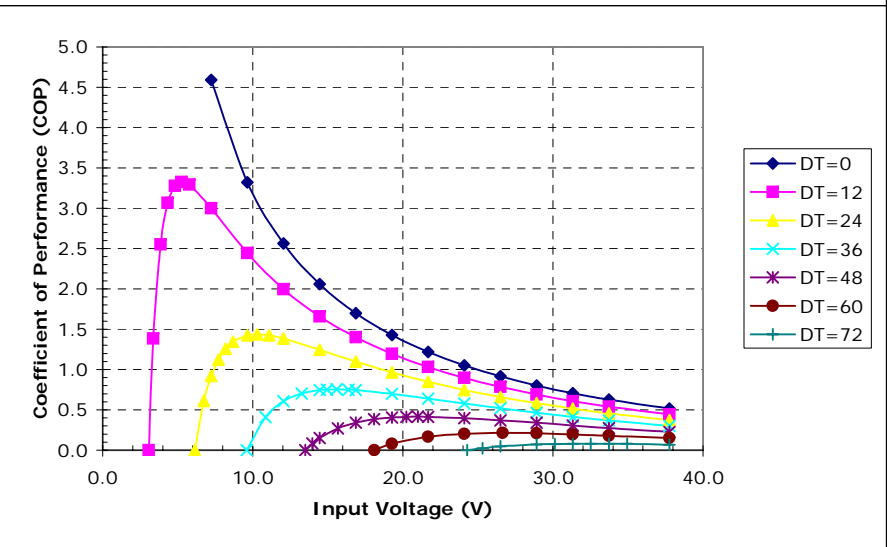
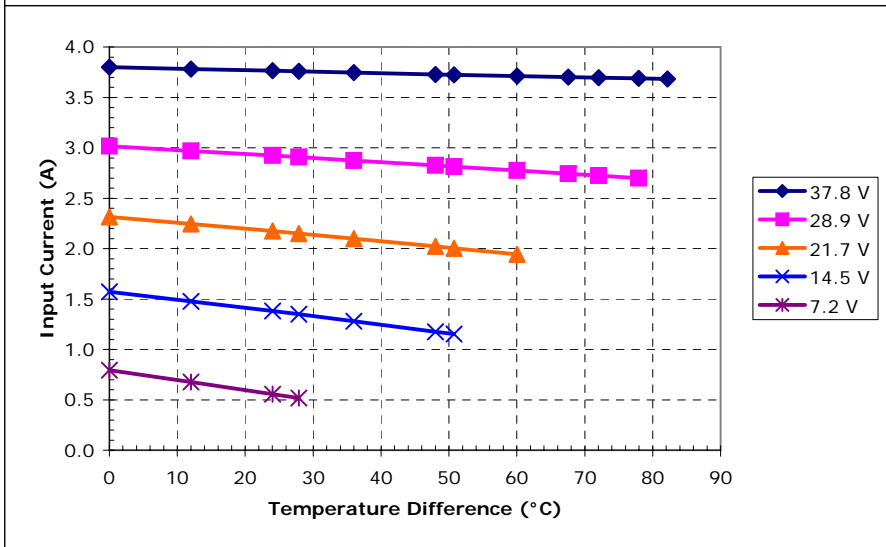
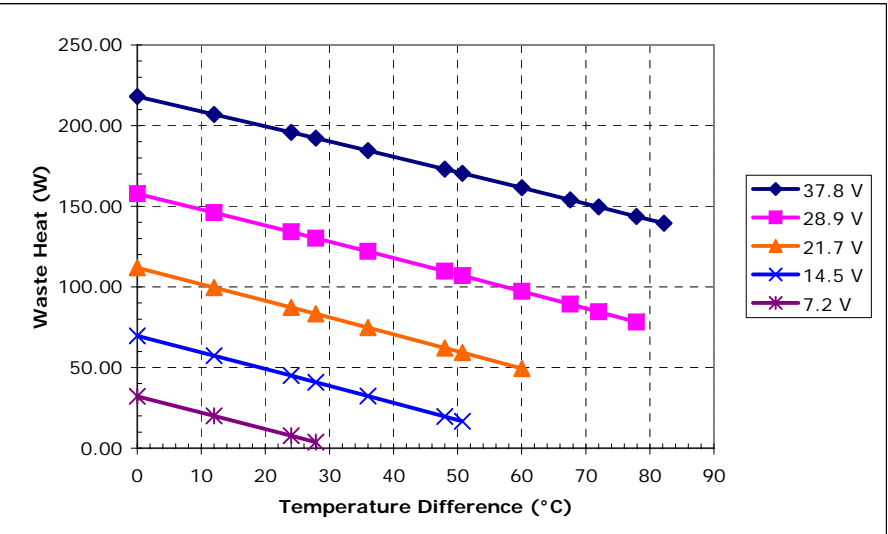
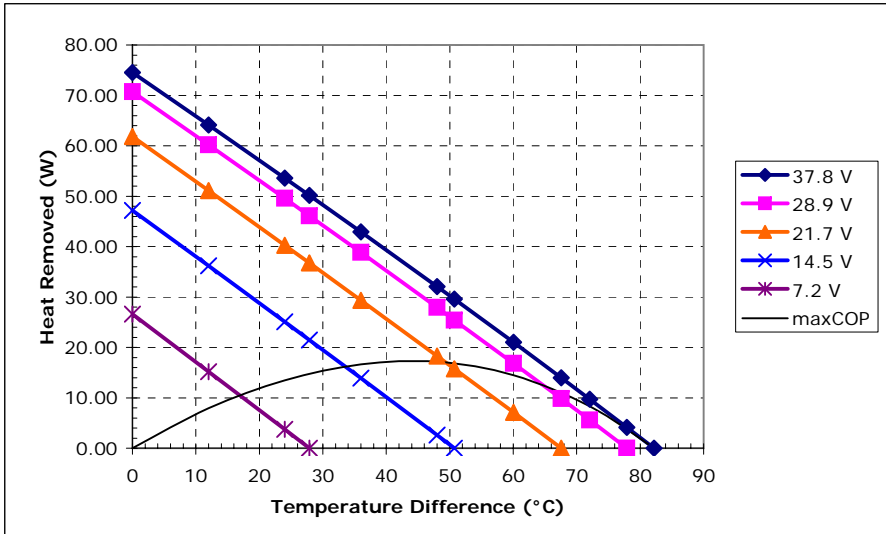
Unpotted SP-262-1.0-1.3 (Series) at a hot-side temperature of 50 °C



Potted SP-262-1.0-1.3 (Series) at a hot-side temperature of 50 °C



Unpotted SP-262-1.0-1.3 (Series) at a hot-side temperature of 70 °C



Potted SP-262-1.0-1.3 (Series) at a hot-side temperature of 70 °C

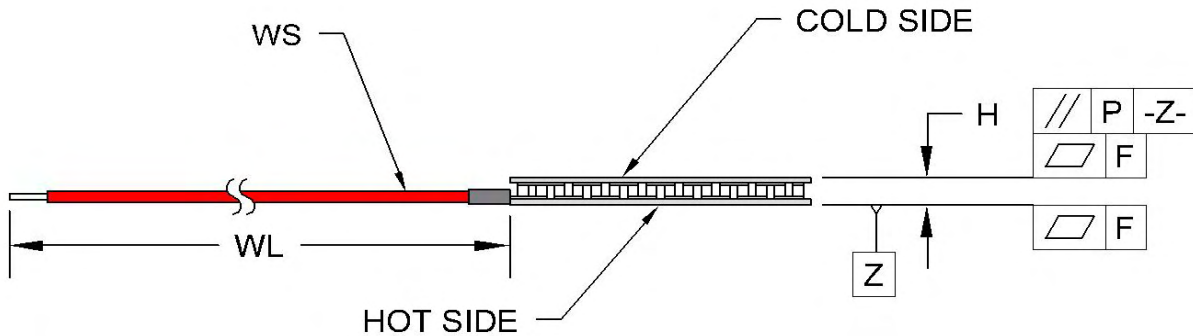
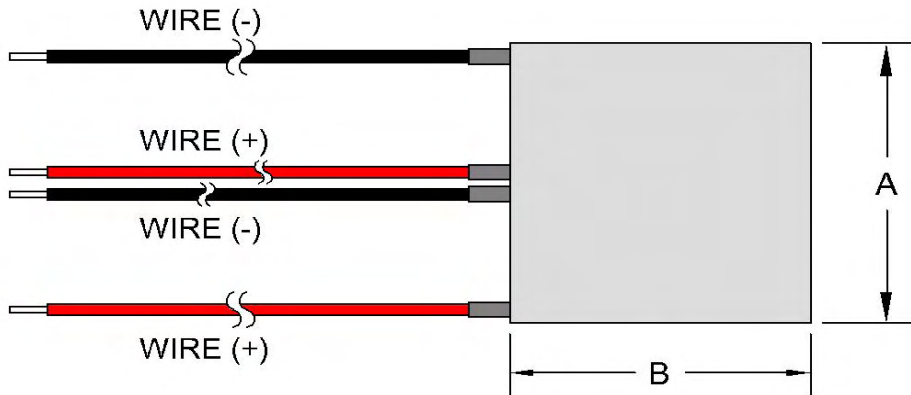
**SP-262-1.0-1.3 (Parallel)
Thermoelectric Module
(Peltier Module)
Specifications**

| | Material Specifications (27 °C hot side temperature) | Material Specifications (50 °C hot side temperature) |
|-------------------------------|---|---|
| Vmax (V) | 15.7 | 17.4 |
| I _{max} (A) | 7.2 | 7.2 |
| Q _{max} (W) | 70.0 | 76.8 |
| DT _{max} (°C) | 69 | 78 |
| 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*, FAQ's and ordering information posted on our website before purchasing or using this product.



| | |
|----------------------------------|--------------|
| Width, A (mm) | 40 +0.5/-0.2 |
| Width, B (mm) | 40 +0.5/-0.2 |
| Height, H (mm) | 3.6 ±0.05 |
| Flatness, F (mm) | 0.02 |
| Parallelism, P (mm) | 0.03 |
| Wire Size, WS (mm ²) | 0.35 |
| Wire Length, WL (mm) | 120 |

Optional Features and Notes:

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

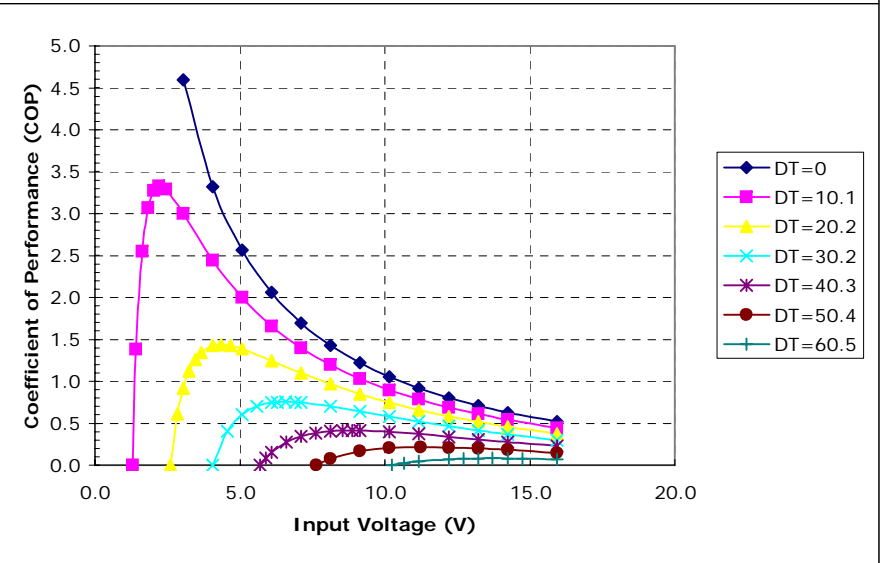
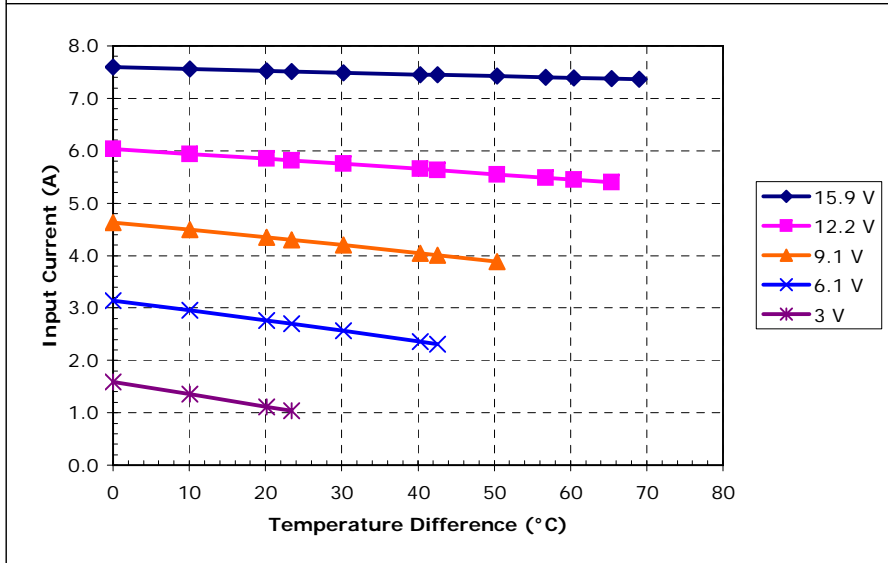
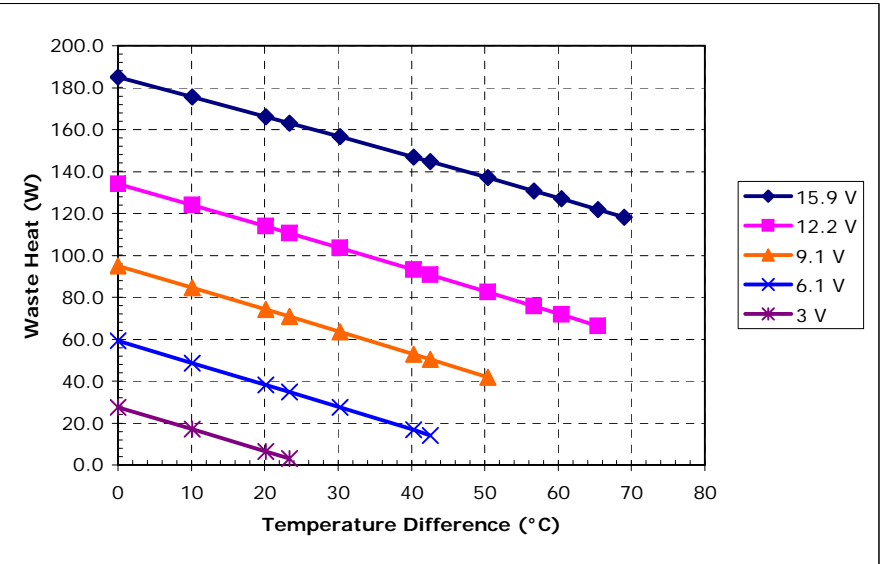
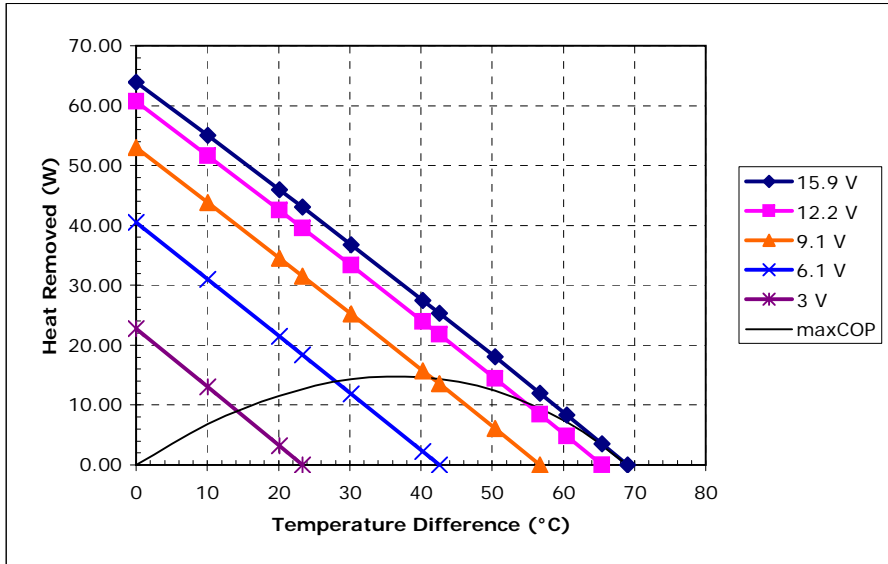
Module can be configured in series mode as well.

Performance graphs include thermal resistance of substrates.

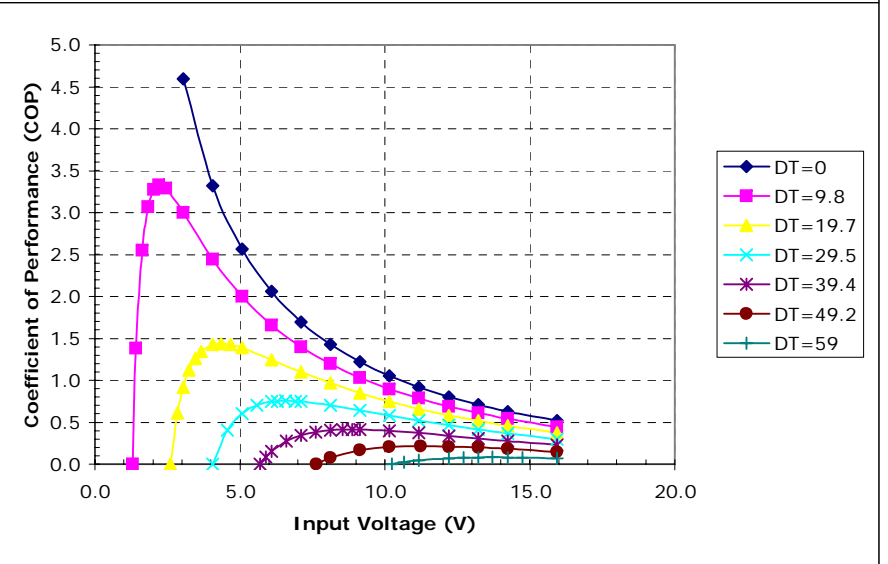
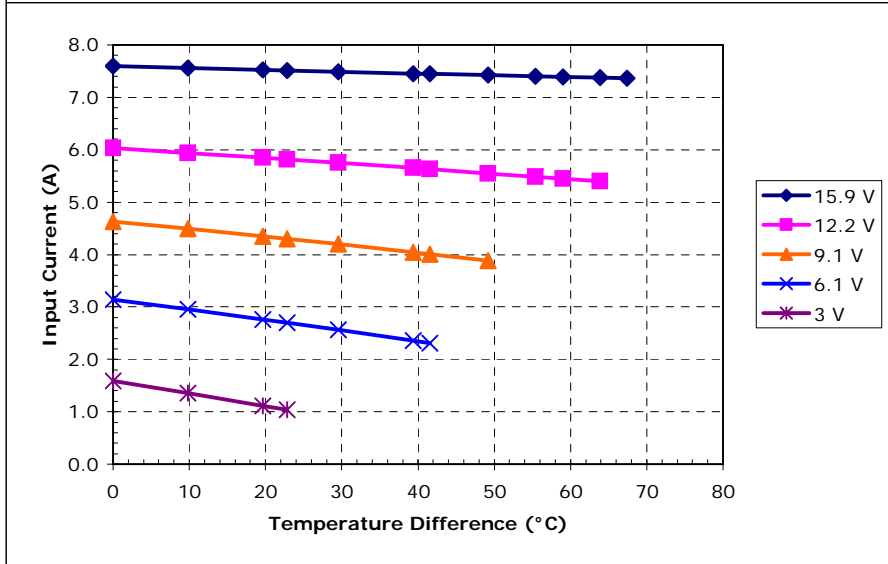
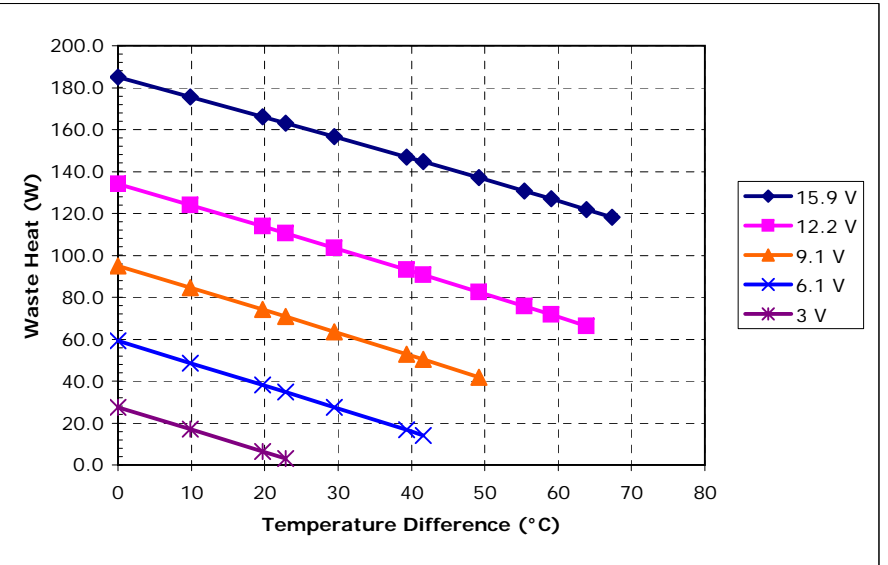
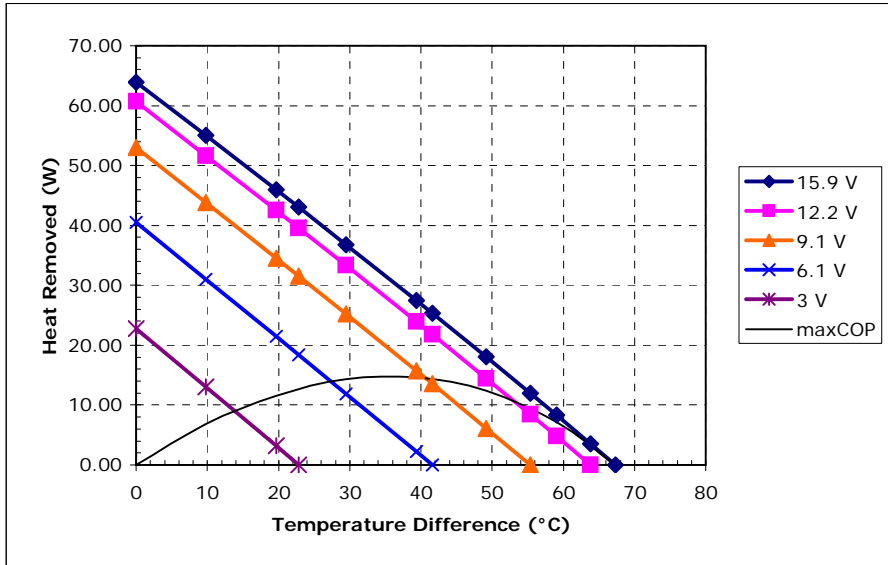
RoHS Compliant
Directive 2002/95/EC



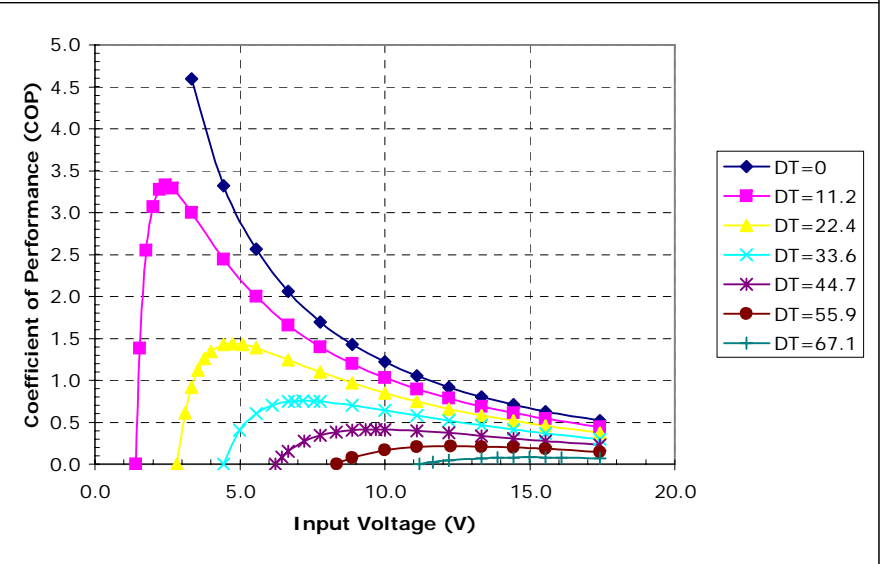
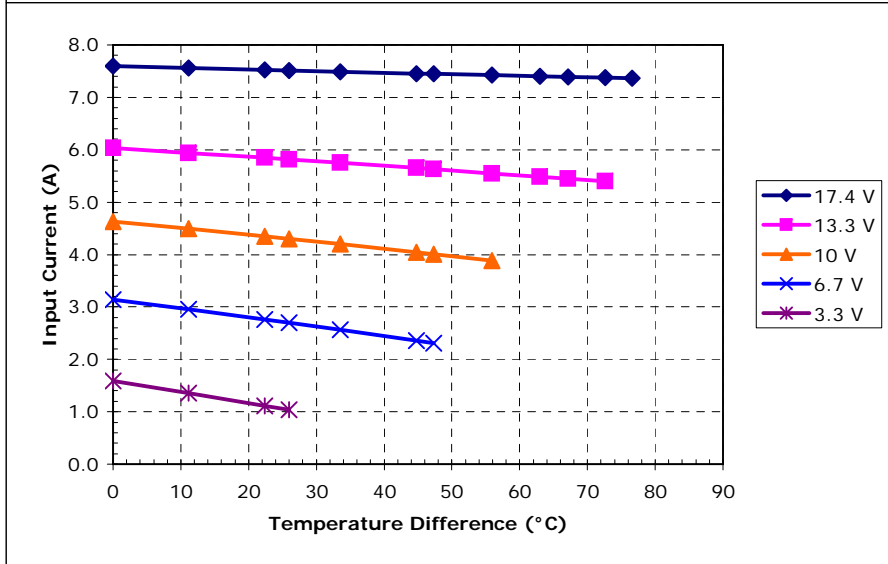
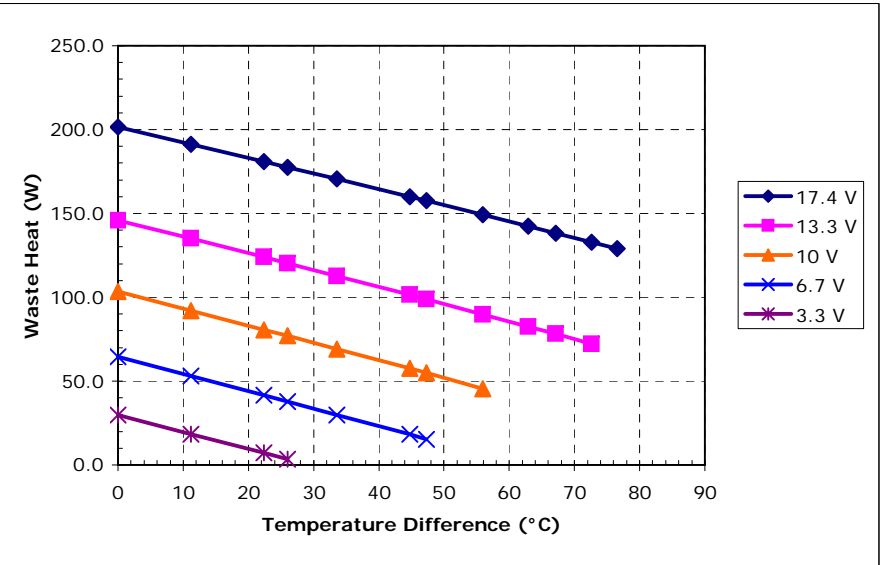
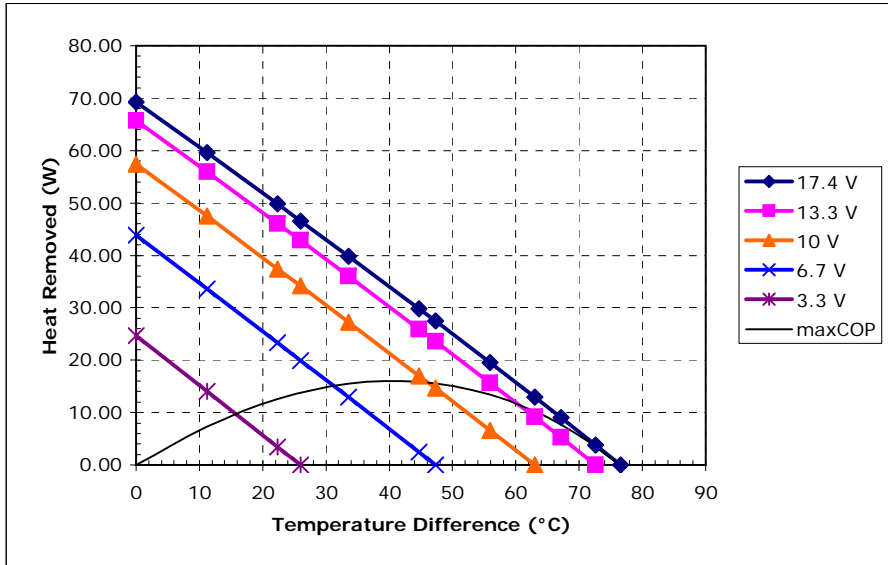
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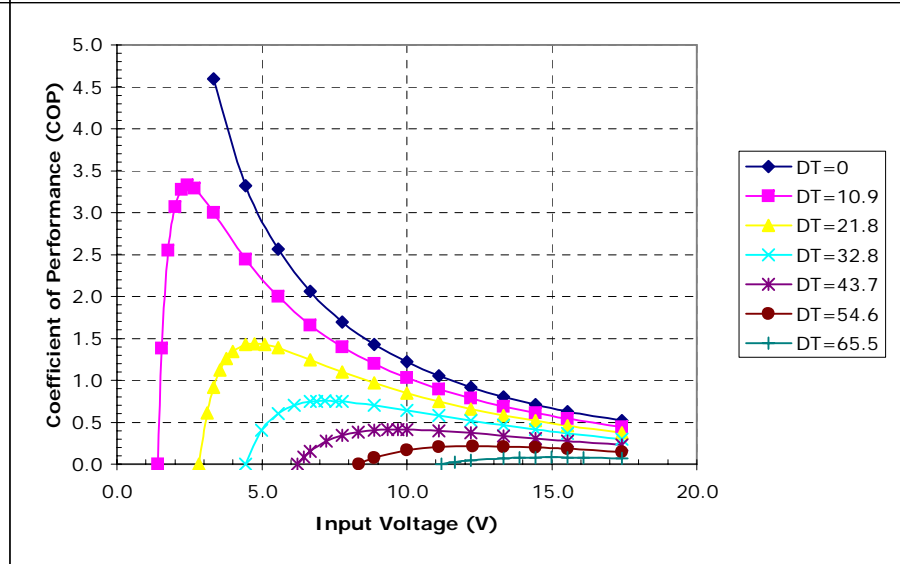
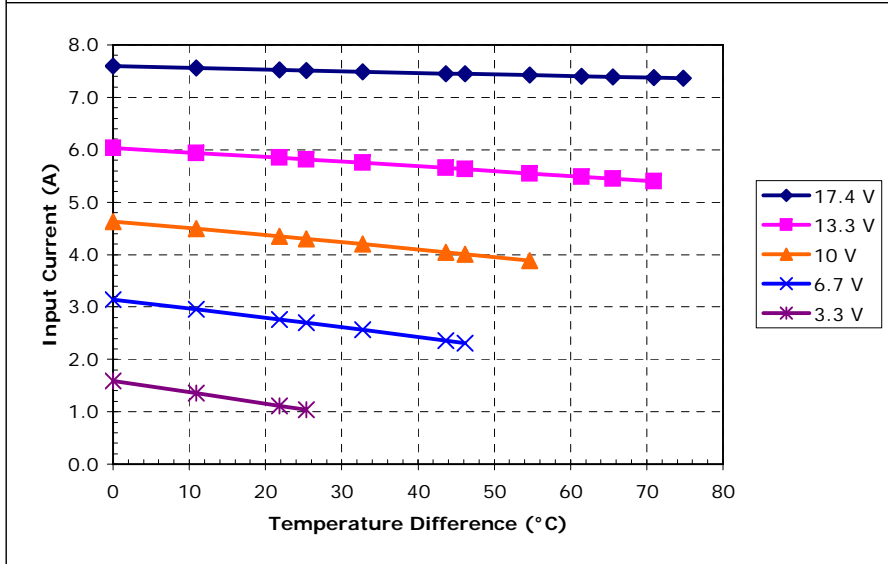
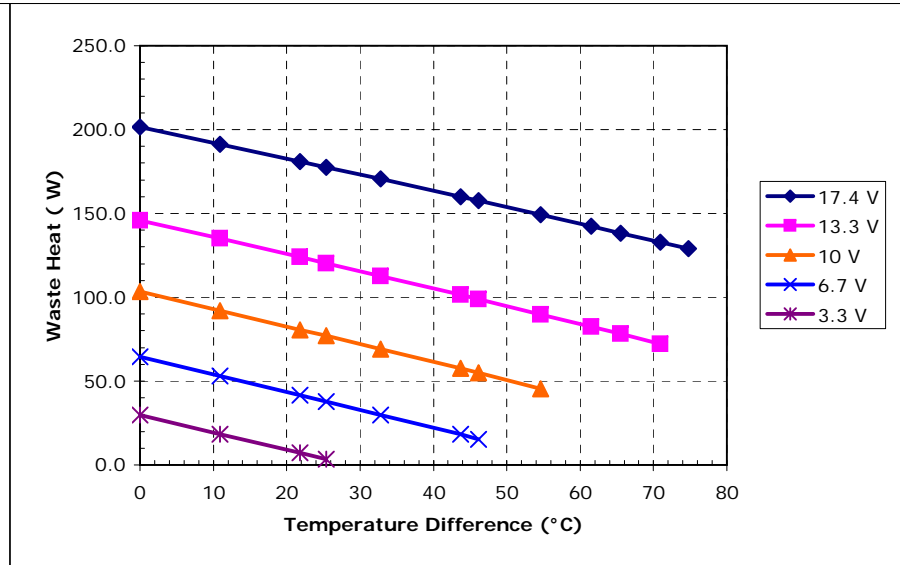
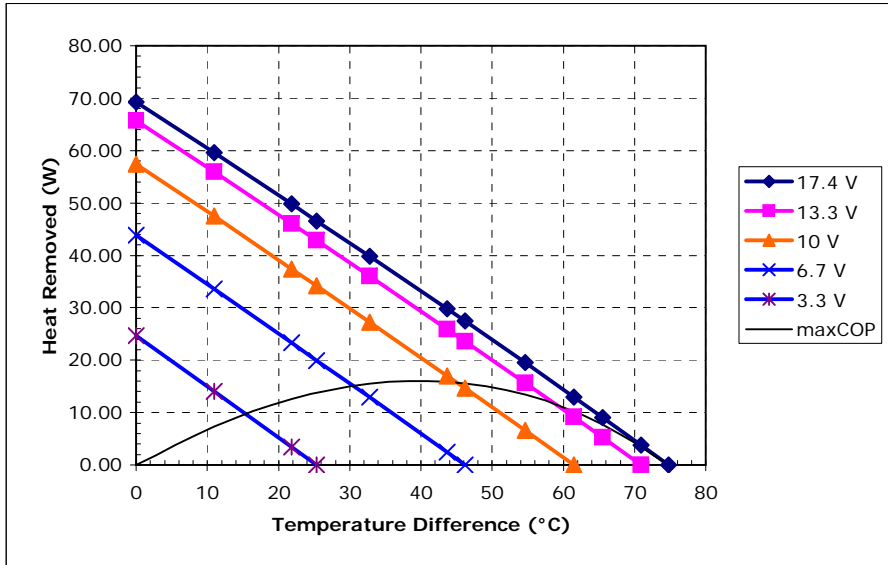
Unpotted SP-262-1.0-1.3 (Parallel) at a hot-side temperature of 30 °C



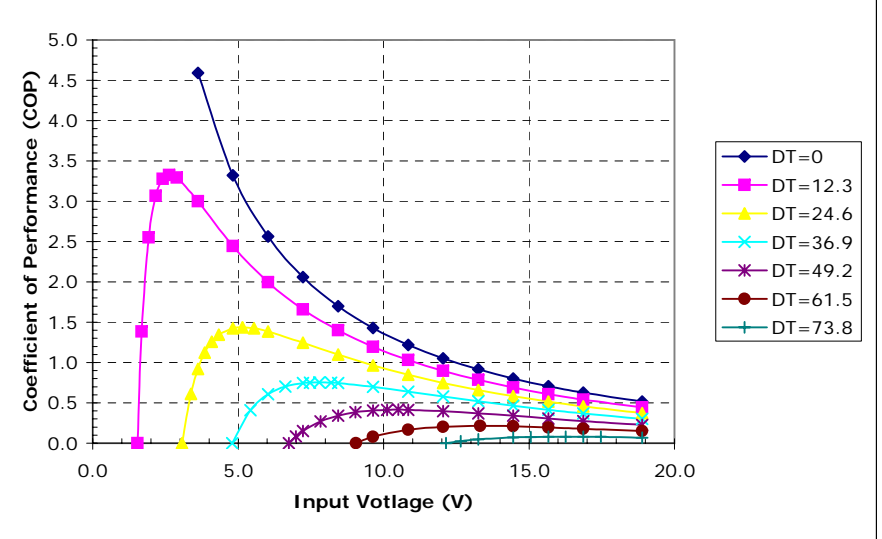
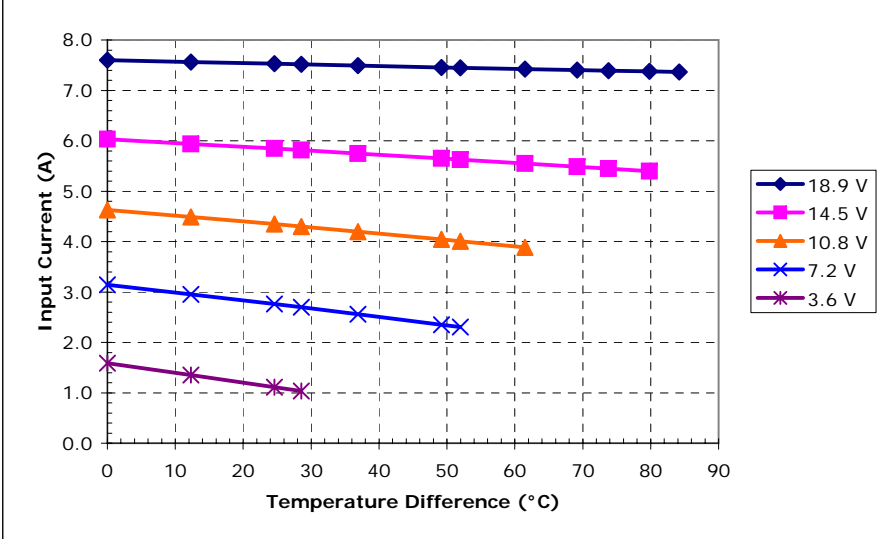
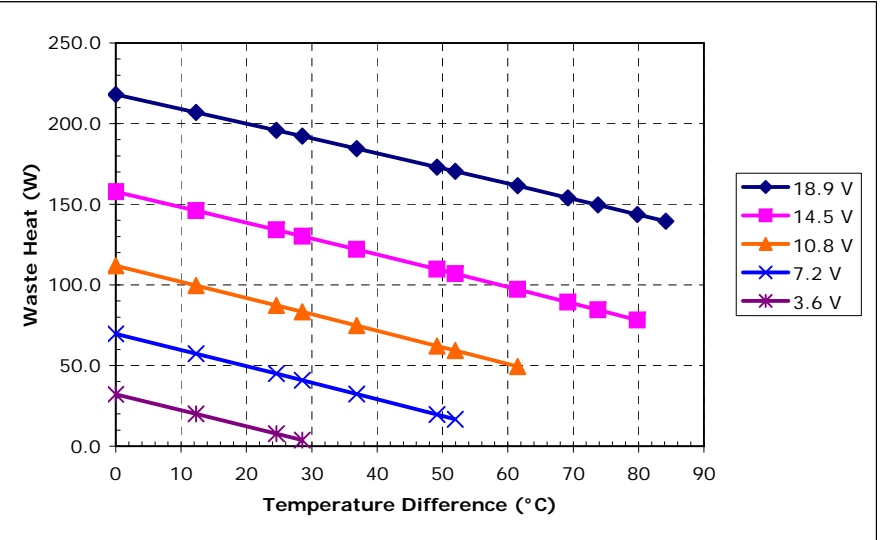
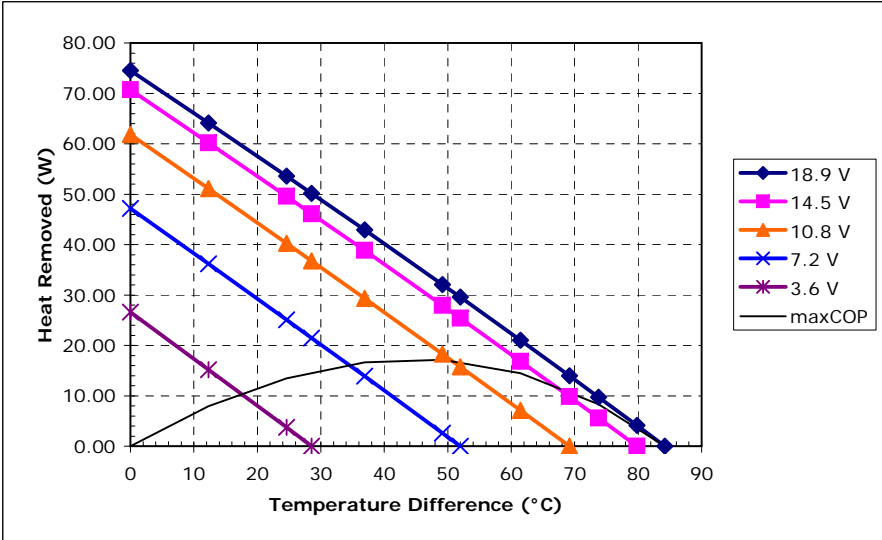
Potted SP-262-1.0-1.3 (Parallel) at a hot-side temperature of 30 °C



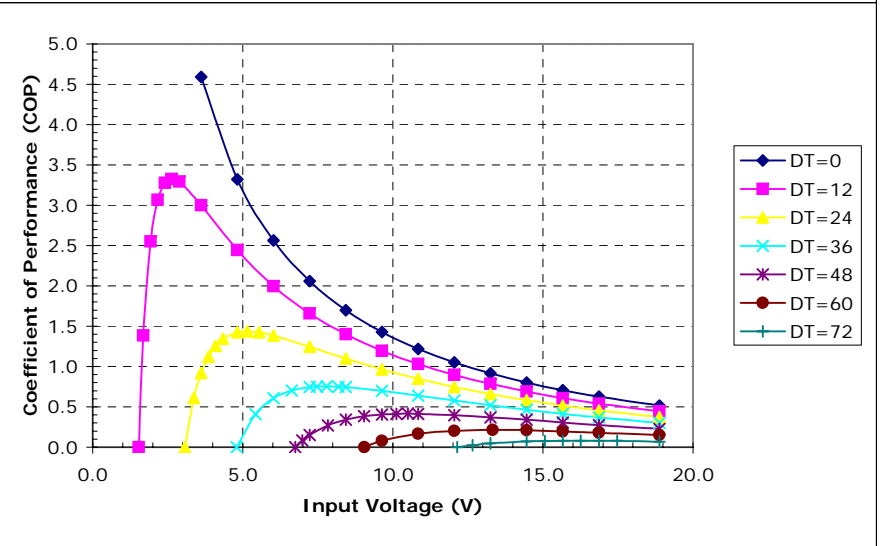
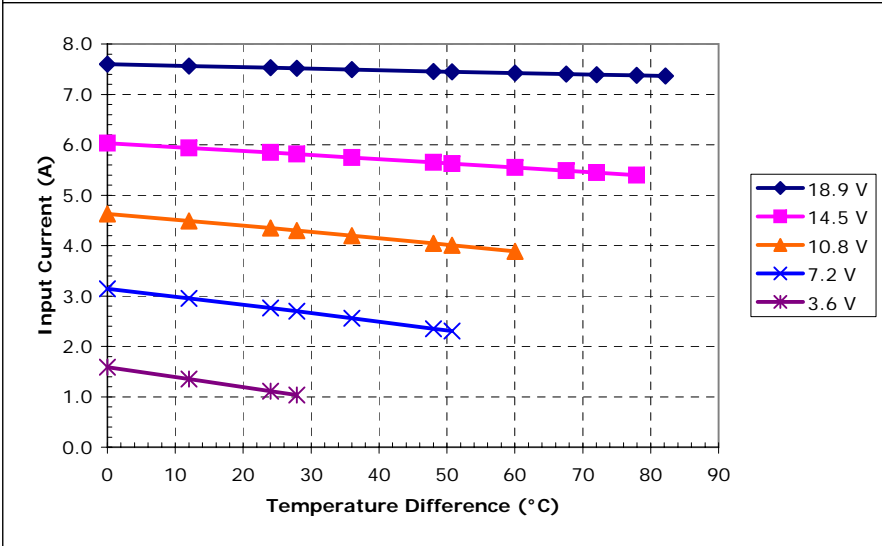
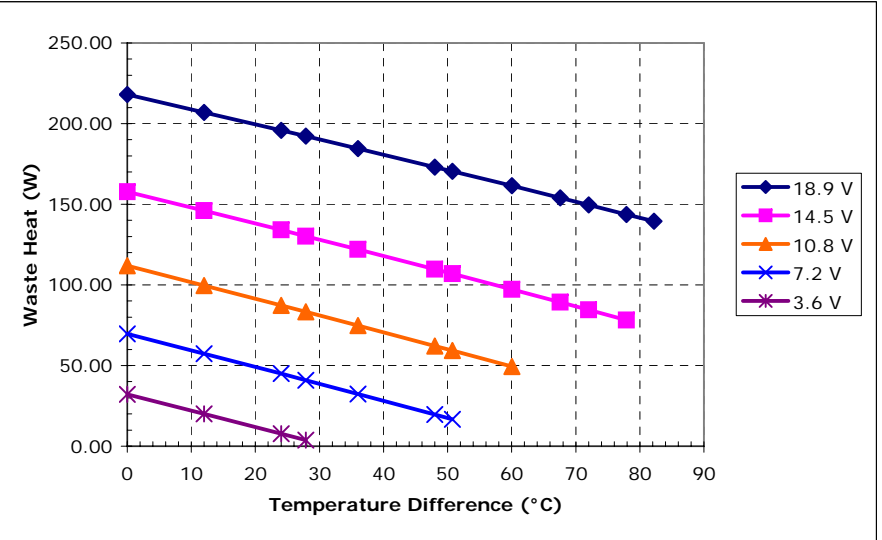
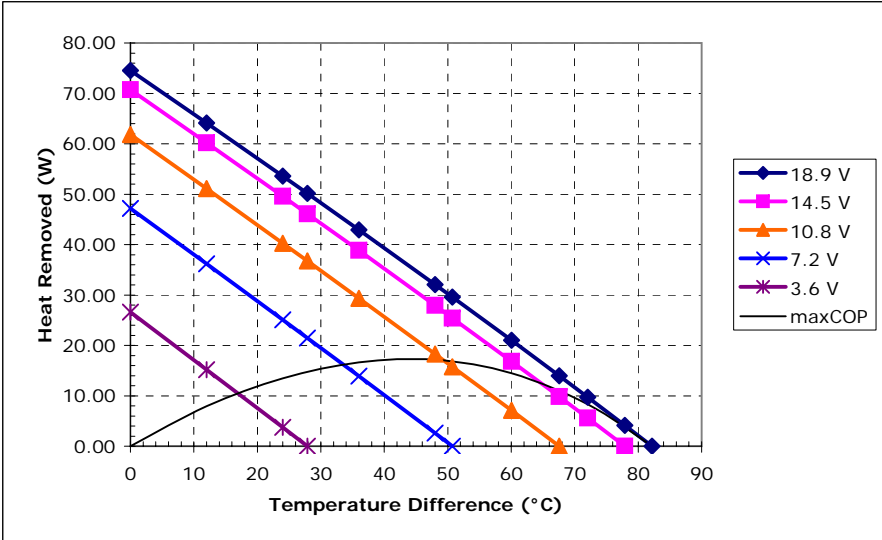
Unpotted SP-262-1.0-1.3 (Parallel) at a hot-side temperature of 50 °C



Potted SP-262-1.0-1.3 (Parallel) at a hot-side temperature of 50 °C



Unpotted SP-262-1.0-1.3 (Parallel) at a hot-side temperature of 70 °C



Potted SP-262-1.0-1.3 (Parallel) at a hot-side temperature of 70 °C