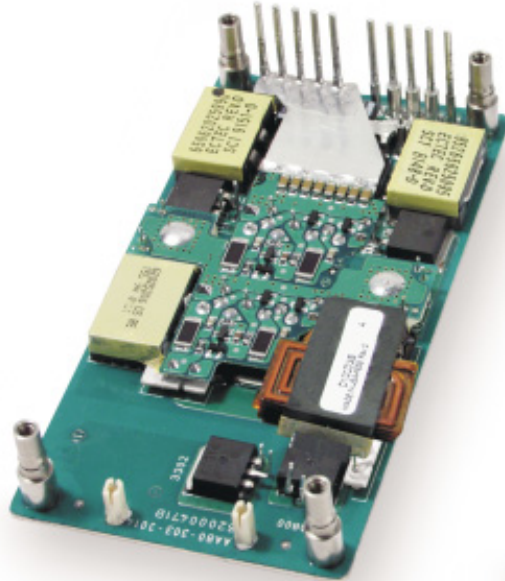
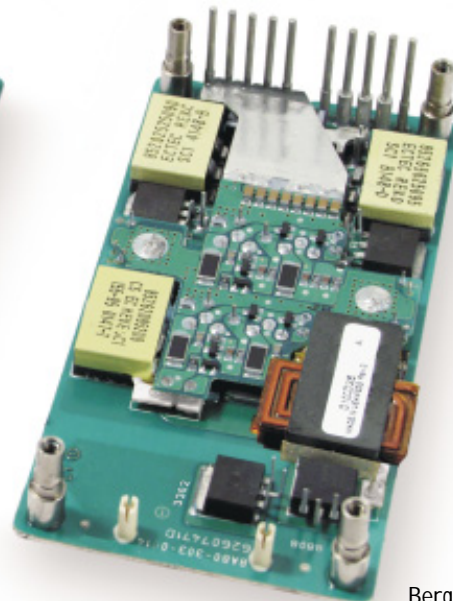


# Watt's the difference between these two power converters?



**390 Watts**  
Standard Insulated  
Metal Substrate



**500 Watts**  
Bergquist Thermal Clad®  
Insulated Metal Substrate

The one on the right costs 22% less per Watt.

That's right, more watts in the same footprint using the same components! Made possible by using Bergquist Thermal Clad dielectrics. Whether you're looking to reduce junction temperature or to get more power out of existing components, our materials can get you there. Our dielectric transfers heat from your power components to the base metal heat spread-

er faster and more efficiently than all the others. We supply our Thermal Clad dielectrics in completed custom circuit, panel form and sheet or roll configurations. Please call for complete test results depicted in the power converter above. Better yet, give us your application and we'll model your expected results before the first prototypes are even made.

Dielectric	Lab Testing Thermal Impedance <sup>1</sup>	Watts per Module <sup>3</sup>
Bergquist LTI <sup>2</sup>	0.5° C/W	500
Bergquist HT <sup>2</sup>	0.5° C/W	500
Bergquist MP <sup>2</sup>	0.7° C/W	450
Competitor	0.9° C/W	390

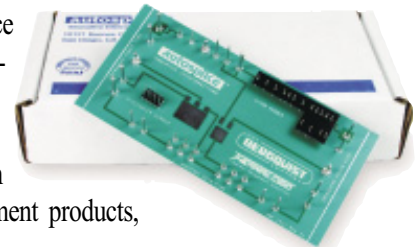
<sup>1</sup>Bergquist test method RD 2018

<sup>2</sup>0.003" dielectric thickness

<sup>3</sup>At maximum junction temperature of 100°C

## Free Thermal Clad® Autosplice® Sample!

Bergquist Thermal Clad and Autosplice joined forces to give you a comprehensive sample of interconnection pins ideal for metal substrate application. To receive additional information regarding Bergquist thermal management products, please go on-line to:



[www.bergquistcompany.com](http://www.bergquistcompany.com)

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