

TIC®800G-ST series phase change thermal pad is a type of phase change composite material specifically designed for applications requiring repeated assembly, such as filling the gaps between removable optical modules and heat sinks. It delivers excellent thermal conductivity and tacky adhesion for easy attachment to heat sinks. In addition, its specially engineered thermal film composite can withstand repeated insertion and removal of optical modules without tearing, effectively protecting the surfaces of both the heat sink and the optical module while minimizing thermal resistance. TIC®800G-ST series provides an outstanding thermal management solution for high-power optical modules, and its standard sizes are designed to meet the thermal design requirements of most optical modules.

Features :

- » Good thermal conductivity
- » Durable, abrasion-resistant surface
- » Optimized tack for efficient handling
- » Excellent surface wettability with low interface resistance

Application:

- » Optical module
- » Servers, Switchs, Routers
- » Data Infrastructure
- » Network cabinets

Typical Properties of TIC® 805G-ST25 Series		
Property	Value	Test method
Color	Gray	Visual
Thickness range (PCM Material)	0.005" (0.127 mm)	ASTM D374
Thickness range (Stainless Steel Film)	0.001" (0.025 mm)	ASTM D374
Thickness range (Total Material)	0.006" (0.152 mm)	ASTM D374
Recommended OperatingTemp (°C)	-45~125	Ziitek Test Method
Phase Change Temperature (°C)	50~60	Ziitek Test Method
Thermal Conductivity (W/mK)	5.0	ASTM D5470
PCM Thermal Resistance @ 50 psi (°C·in²/W)	0.014	ASTM D5470
Thermal Resistance @ 50 psi (°C·in²/W)	0.061	

Standard Thickness : 0.006"(0.152 mm)

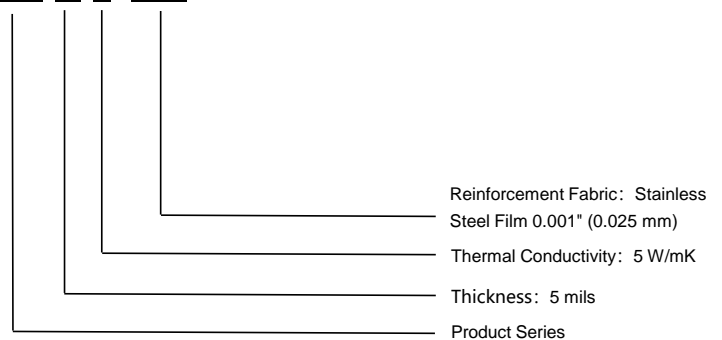
For other thickness requirements, please contact our company.

Standard Sizes: 10" x 16"(254 mm x 406 mm)

For other size options, please contact our company.

Product Identifier:

TIC8 05 G - ST25



Global solutions:Local support

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