



# E-Song America, Inc.

100%  
RoHS Compliant  
Products

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## THERMAL INTERFACE PAD: THEA720F

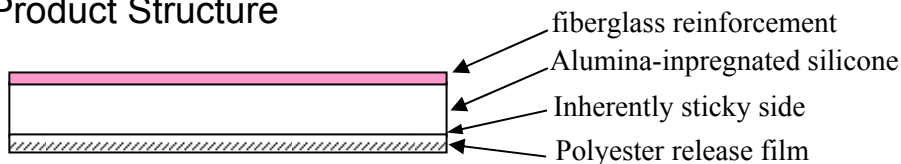
### ■ Characteristic

This product is made of highly conformable, low modulus silicone polymer filled with Alumina filler providing excellent heat conductivity. Flame retardant UL94V0 and good

### ■ Application

- Areas where heat needs to be transferred away to the frame chassis or other type of heat spreader
- Between a CPU and a heat spreader
- Between a CD ROM drive and a heat spreader
- Between a semiconductor and heat sink
- Replacement for messy grease
- Available in custom sizes and die-cut shapes/sizes

### ■ Product Structure



### ■ Technical data

ITEM		VALUE	TEST METHOD	
Material	Binder	Silicone		
	Filler	Alumina		
	Reinforcement	Glass Fiber		
	Liner	Polyester		
Mechanical properties	Thickness (mm)	Silicone pad available	0.5 to 5 ±0.25	ASTM D 1000
		Reinforce fiberglass	0.012	
		Release film	0.100	
	Standard size (mm)		250 x 250	
	Color	Silicone pad	Dark Gray	Visual
		Reinforce fiber glass	Pink	Visual
		Release film	Transparent	Visual
	Hardness (Shore OO)		60	ASTM D 2240
Specific gravity (g/cm <sup>3</sup> )		2.8	ASTM D 792	
Continuous usage temp. (°C)		-60 ~ +200		
Electrical properties	Dielectric constant		6.2	ASTM D 150
	Dielectric breakdown (kV AC)		>8	ASTM D 149
	Volume resistivity (ohm-meter)		>10 <sup>12</sup>	ASTM D 257
Thermal conductivity 10psi (w/m.K)		2.0	ASTM D 5470	
Flame Rating		UL94 V0		