

## Technical Data Sheet

EVSA310FG thermal tape self-adhesive is widely used to bond heat sinks to microprocessors and other power consuming semiconductors.

EVSA310FG thermal tape self-adhesive has strong adhesive strength and low thermal resistance, which can effectively replace silicone grease and mechanical fixturing.

## Applications

- ✓ LED lighting products
- ✓ Chassis, frame or other cooling components
- ✓ Large capacity drive
- ✓ Heat pipe assembly
- ✓ RDRAM memory
- ✓ High frequency micro processing chip
- ✓ Notebook and desktop computers



# EVSA310FG Thermal Tape

Color	White	Visual
Basic material	Acrylate (acrylic)	***
Strengthening of basic materials	Glass fiber mesh	***
Thickness(mm)	0.25±0.01	ASTM D374
Breakdown voltage(V)	>4600	ASTM D149
Release force (kg/mm)	2.5kg/25mm	PSTC-3
Shear strength 1.0 kg loading on 25 mm x 25 mm	> 48 hrs	PSTC-7
Thermal resistance 0.5kg loading on 25mm x 25mm at 80°C	> 24 hrs	***
Thermal Conductivity (W/mk)	1.0	ASTM D5470
Operating Temperature	-30°C ~ 130°C	***
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372

Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.

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**Note:** The information provided herein is accurate at time of publication. It is the responsibility of the end-user to confirm compliance to their application. All test data is typical. Therefore, these recommendations and data are for reference only and not as a product warranty.

# EVSA Series Thermal Tape

Sheen Thermal adhesive tape series	Thermal conductivity	Carrier material	Adhesion to steel(kgf/25mm)	Thickness (mm)	Remark
EVSA600-AL	1.3 W/mK	Aluminum foil	1.5	0.16	
EVSA410FG	1.0 W/mK	Fiberglass	1.2-1.8	0.25±0.01	
EVSA408FG	1.0 W/mK	Fiberglass	1.2-1.8	0.2±0.01	
EVSA406FG	1.0 W/mK	Fiberglass	1.2-1.8	0.15±0.01	
EVSA310FG	1.0 W/mK	Fiberglass	1.2-1.8	0.25±0.01	Flame retardant
EVSA308FG	1.0 W/mK	Fiberglass	1.2-1.8	0.2±0.01	Flame retardant
EVSA408	1.0 W/mK	/	1.2-1.8	0.2±0.01	
EVSA406	1.0 W/mK	/	1.2-1.8	0.15±0.01	
EVSA310	1.0 W/mK	/	0.25±0.01	0.25±0.01	Flame retardant
EVSA308	1.0 W/mK	/	1.2-1.8	0.2±0.01	Flame retardant
EVSA306	1.0 W/mK	/	1.2-1.8	0.15±0.01	Flame retardant
EVSA700	1.5 W/mK	/	1.8	0.2-0.5±0.01	Flame retardant



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