

Product Description

VOT VK-A6S is a highly economical, general-purpose thermal interface pad engineered specifically for mass-market electronic cooling. Delivering a baseline thermal conductivity of 1.5 W/m·K with a balanced hardness of Shore OO 45, it offers a highly stable and practical solution for low-to-moderate power applications where aggressive cost optimization is paramount.

Sharing the well-balanced physical characteristics of the VK series, VK-A6S features a synergistic blend of moderate compressibility, reliable elastic recovery, and excellent handling properties. Its robust structural integrity ensures easy manual or automated application, precise die-cutting, and clean reworkability without tearing. VK-A6S is the ultimate entry-level choice for manufacturers seeking dependable basic thermal management, consistent production yields, and exceptional value-to-cost ratio.

FEATURES & BENEFITS

- **Ultimate Cost-Efficiency:**

Specifically formulated to minimize overall BOM costs in high-volume, budget-sensitive manufacturing.

- **Reliable Basic Performance:**

1.5 W/m·K thermal conductivity provides dependable heat dissipation for standard electronic components.

- **Balanced Hardness (Shore OO 45):**

Ensures excellent structural stability, preventing material damage during high-speed assembly.

- **Consistent Compressibility & Rebound:**

Maintains reliable interfacial contact and gap-filling capabilities over the product's lifespan.

- **Assembly & Rework Friendly:**

Non-messy, easy to handle, and allows for clean removal during device maintenance or rework.

- **Broad Compatibility:**

A highly versatile "go-to" gap filler suitable for a wide array of basic thermal designs.



PROPERTY	VK-A6US	TEST METHOD
Construction	Ceramic Filled Silicone sheet	N/A
Color	White	Visual
Density	2.4 g/cc	ASTM D792
Thickness Range	0.3mm~15.0mm	N/A
Thermal Conductivity	1.5 W/m·K	ASTM D5470
Rth at 1mm,10psi	0.88 °C·in ² /W	ASTM D5470
Hardness Shore OO	45	ASTM D2240
Dielectric Constant@1MHz	5.8 @1MHz	ASTM D150
Dielectric Strength	>8 KVac/mm	
Volume Resistivity	10 ¹³ Ω·cm	ASTM D257
Temperature Range	-40°C to 180°C	VOT Test Method
Flammability Rating	V-0	UL 94

Typical Applications

- General Consumer Electronics: (Smart home devices, set-top boxes, and audio/video equipment.)
- Power & Energy
- LED Lighting
- Networking
- Storage Devices
- Industrial Equipment
- Automotive
- Office Peripherals

Storage Conditions

- Storage Temperature: 15°C to 35°C, RH <50%
- Shelf Life: 12 months under above conditions

TW: +886-2-24511685

KS: +86-512-57456656

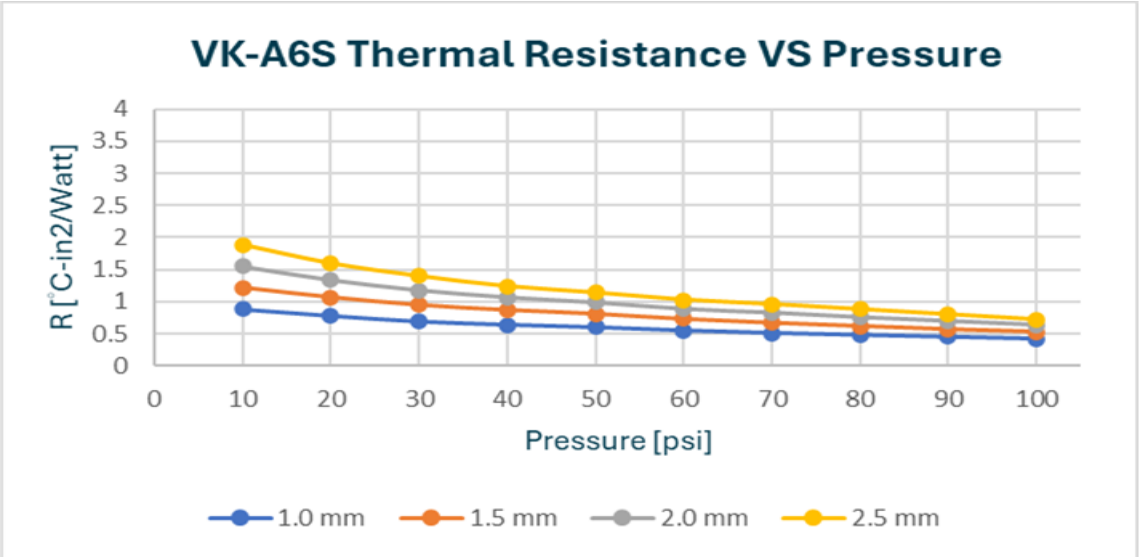
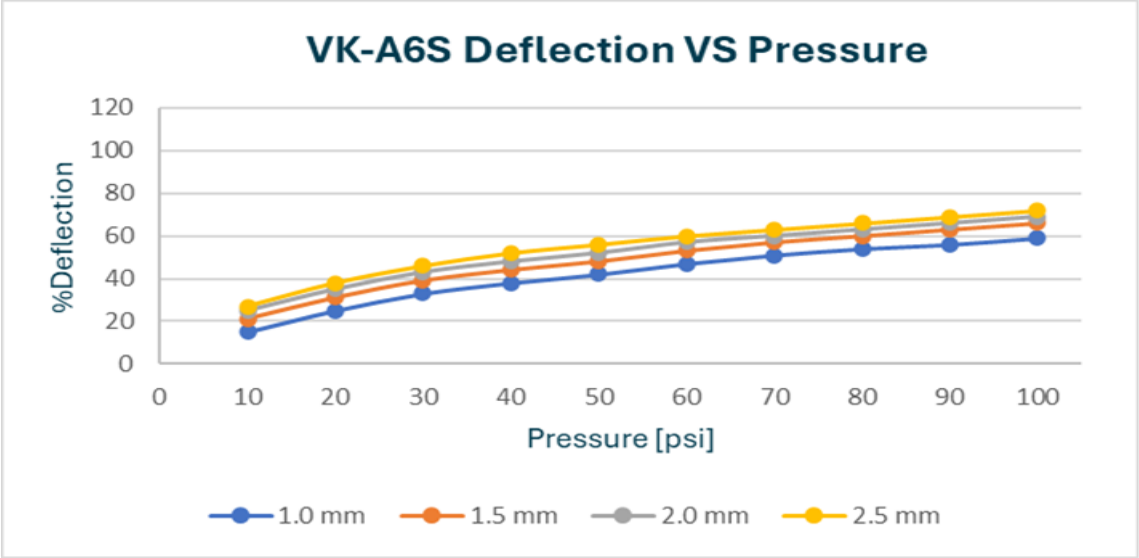
CZ: +86-519-82208589

service@VOT-thermal.com.tw

sales@VOT-thermal.com

Limited Warranty: For a period of 12 months from the date of first sale, VOT warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse, or inability to use this product(s).

NOTE: VOT does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.



VK-	A6S	-	XXXXXX	-	XXX
Gap filler	1: one side tack free 3: VK-6100 on one side 4: fiberglass reinforcement		size 200200=20*20 254254=25.4*25.4		Thickness 008=0.8mm 010=1.0mm

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