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Properties		Value	Unit	Tolerance	Test Method
Thermal Conductivity		2	W/m·K	± 0.3	ASTM D5470
Reinforcement Carrier optional		Fiberglass mesh	/	/	/
Color*		Gray white	/	/	Visual
Density		2.59	g/cm <sup>3</sup>	/	ASTM D792
Hardness*		30	Shore00	± 5	ASTM D2240
Tensile strength		30	psi	/	ASTM D412
Flame Rating		94V-0	/	/	Equivalent UL
Volume Resistance		1 x 10 <sup>13</sup>	Ω·cm	/	ASTM D257
Breakdown Voltage	z ≤ 0.5 mm	> 3	KV/mm	/	ASTM D149
	z > 0.5 mm	> 5	KV/mm	/	ASTM D149
Working Temperature		-40 ~ +150	°C	/	/
Storage conditions	Temperature (T)	15 < T < 30	°C	/	/
	Relative humidity (Rh)	< 70	%	/	/
Shelf life		12	month	/	/

Notes:

1. Adhesivity
  - 1.1. Natural tacky
2. Features
  - 2.1. Good thermal conductivity, low thermal resistance
  - 2.2. Good thermal stability
  - 2.3. Good resilience; high reliability for long-term use
  - 2.4. Good insulating material
3. Application options
  - 3.1. Communication equipment, Network terminals, Storage devices, Consumer electronics, power supply devices, security equipment

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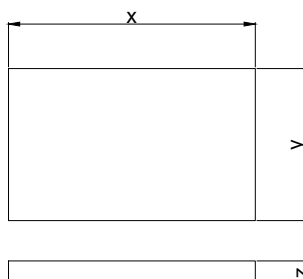
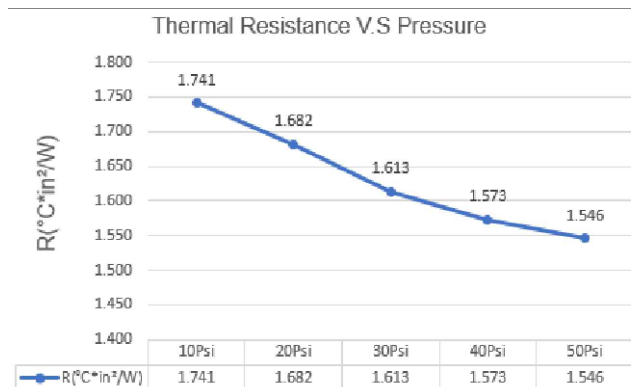
Additional adhesive surface or reinforcement can influence the thermal conductivity. Modification of color or hardness can influence the thermal conductivity.

A suitability check is recommended.

\* other on request

D

D



Properties	Min (mm)	Max (mm)
Length (x)	5.0	400.0
Width (y)	5.0	350.0
Thickness (z)	0.5	10.0

① Special or other dimensions / sizes on request.

N: Not reinforced / not adhesive / natural tacky  
 O: Not reinforced / one side adhesive  
 P: Not reinforced / two sides adhesive  
 R: Reinforced / not adhesive / natural tacky  
 S: Reinforced / one side adhesive  
 T: Reinforced / two sides adhesive

Order code: VFSBCx-xxxxyyzzz-xy

① Length (x): 005: 5mm (min)  
 400: 400mm (max)

Width (y): 005: 5mm (min)  
 350: 350mm (max)

Thickness (z): 005: 0.5mm (min)  
 100: 10.0mm (max)

0: Width y.0mm  
 5: Width y.5mm

0: Length x.0mm  
 5: Length x.5mm

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G

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RoHS compliant

Unit:mm

Scale	Free
TOLERANCE	
0~30	±0.3
31~50	±0.5
51~400	±2.0
DIM	TOL
0~1	±0.1
1~10	±10%
T	TOL

Id.	Modification	Date	Name
②	Add the standard P/N in page 2	08.05.2024	Segal
①	Update	03.11.2022	Larsen
③	Drawn	08.08.2022	Segal

Date	Name	Description:
Drawn	08.08.2022	Segal
Approved	08.05.2024	Segal
		ASSMANN WSW-No. VFSBCx-xxxxyyzzz-xy
		Drawing-No. ASS 4993 HS
		rev02
		Customer-No.
		SHEET 1 / 2

**ASSMANN**  
 WSW components  
 A company of BCS

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## Standard articles

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②

Article number	Length [mm]	Width [mm]	Thickness [mm]
VFSBCN-015015005-00	15	15	0.5
VFSBCN-015015010-00	15	15	1.0
VFSBCN-015015015-00	15	15	1.5
VFSBCN-015015020-00	15	15	2.0
VFSBCN-030030005-00	30	30	0.5
VFSBCN-030030010-00	30	30	1.0
VFSBCN-030030015-00	30	30	1.5
VFSBCN-030030020-00	30	30	2.0
VFSBCN-050050005-00	50	50	0.5
VFSBCN-050050010-00	50	50	1.0
VFSBCN-050050015-00	50	50	1.5
VFSBCN-050050020-00	50	50	2.0
VFSBCN-100100005-00	100	100	0.5
VFSBCN-100100010-00	100	100	1.0
VFSBCN-100100015-00	100	100	1.5
VFSBCN-100100020-00	100	100	2.0
VFSBCN-100100030-00	100	100	3.0
VFSBCN-100100040-00	100	100	4.0
VFSBCN-150150005-00	150	150	0.5
VFSBCN-150150010-00	150	150	1.0
VFSBCN-150150015-00	150	150	1.5
VFSBCN-150150020-00	150	150	2.0
VFSBCN-150150030-00	150	150	3.0
VFSBCN-150150040-00	150	150	4.0

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C

C

D

D

E

E

F

F

G

RoHS compliant

Unit:mm

Scale Free

TOLERANCE

0~30 ±0.3

31~50 ±0.5

51~400 ±2.0

DIM TOL

0~1 ±0.1

1~10 ±10%

T TOL

Id.

Modification

Date

Name

Date

Name

Description:  
Thermal foil, containing silicone,  
Gray white

ASSMANN WSW-No.

VFSBCx-xxxyyyzzz-xy

Drawing-No.

ASS 4993 HS

rev02

Customer-No.

SHEET  
2 / 2

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ASSMANN  
WSW components  
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