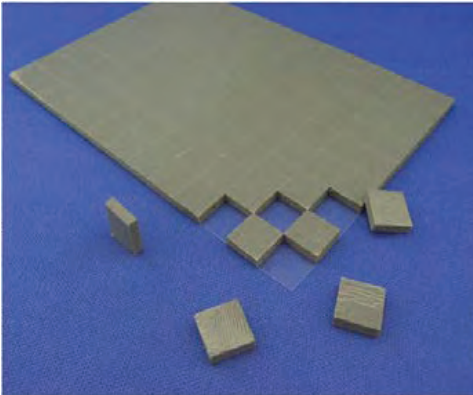


# Thermal Pad CPSS Series

**NEW**

**Silicone-Free**



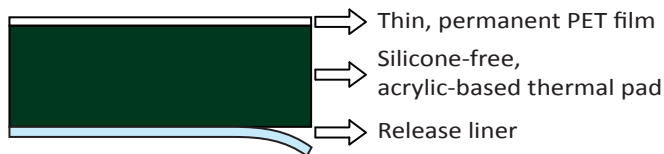
## Ultra-soft (ASKER C 8) silicone-free thermal pad



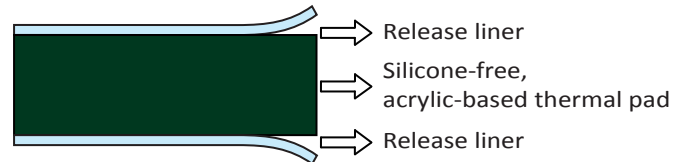
- Super soft and compliable material allows for less pressure on the heat source, such as the IC or PCB, when compared to a standard TIM
- Pliability of the material allows for lower thermal resistance on an uneven surface
- Silicone-free material – no siloxane outgassing
- Suitable for vibration control

### Cross-section view

**CPSS-F series: one side PET, one side naturally tacky**



**CPSS series: both sides naturally tacky**



### Properties

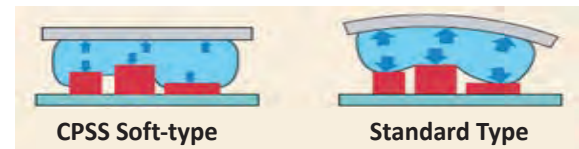
Property	Test Method	CPSS-F	CPSS
Thickness (mm)	—	1.0, 1.5, 2.0, 2.5, 3.0, 4.0	4.0
Standard Sheet Size (mm)	—	210 x 510	210 x 510
Thermal Conductivity (W/m•K)	JIS R 2616 (hot wire method)	2.0	2.0
Specific Gravity	JIS Z 8807	1.92	1.92
Hardness (ASKER C)	JIS K 7312	8	8
Tensile Strength (MPa)	JIS K 6251	0.28	—
Elongation (mm)	JIS K 6251	6.21	—
Volume Resistivity ( $\Omega \cdot \text{cm}$ )	JIS K 6911 (compliant)	$1.0 \times 10^{12}$	$1.0 \times 10^{12}$
Breakdown Voltage (kV/mm)	JIS C 2110-1 (compliant)	3.5	—
Withstanding Voltage (kV/mm)	JIS C 2110-1 (compliant)	2.8	—
Dielectric Constant (1 MHz)	Company Standard	14.6	—
Loss Tangent (1 MHz)	Company Standard	0.09	—
Flame Resistance	UL94	V-2 (t:1.0 - 3.0mm) V-0 (t:4.0mm)	—
Operating Temperature ( $^{\circ}\text{C}$ )	—	-40 ~ 100	-40 ~ 100
Color	—	Dark Green	Dark Green

### Features

**Soft type thermal pads provide low thermal resistance, while conforming well to uneven surfaces.**



**Soft type thermal pads more evenly distribute pressure.**



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**Please request for detailed product specification data prior to purchase**

Volume resistivity stated on our EMI absorber flyer is meant for noise control parameters, where the absorber is considered a conductor, but not for insulation performance. Care should be taken when using absorbers. KITAGAWA INDUSTRIES America, Inc. makes no guarantees as to electrical resistivity values and accepts no liability due to short circuits where EMI absorbers are used directly on a PC Board or areas near high voltage such as for power. The products are designed for EMI noise reduction for electronics. This is not recommended for applications involving human life or extremely high accuracy. Prior to using the products in production, please verify their performance or adhesive strength of PSA for long term use. Avoid applying any external stress such as bending or high amounts of tension. Note when the absorber products are cut, bent, or pulled, there may be a possibility of creating cracks. For storage, keep products in a cool, dry, well-ventilated area at room temperature and avoid high temperatures, humidity, and direct sunlight.

Please contact the sales department at KITAGAWA INDUSTRIES America, Inc. for the use of our products prior to selecting the parts for your application.