



深圳市三科斯电子材料有限公司  
**Shenzhen 3KS Electronic Material Co., Ltd.**  
香港三科斯实业有限公司  
**HK 3KS Industrial co., Limited**



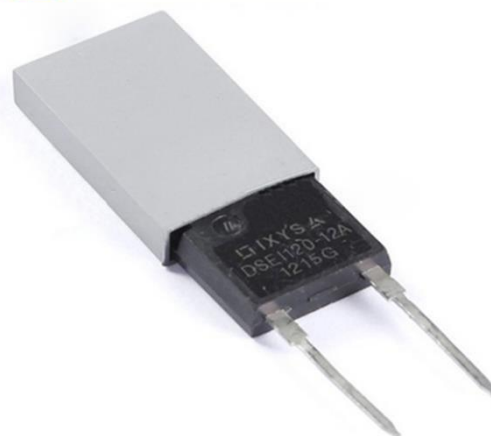
### 3K Series Thermal Sheet Introduction

3K series thermal insulation sheet is made by special process with the base material—silicon gel and fiberglass. Due to its nice thermal conductivity, insulation and convenient assembly, it's widely used in electronic appliances industry. According to the size of the fever interface and the height of the clearance, different thickness of the thermal conductive silicon tape can be cut into pad sizes, and put the silicon tap in the gap between the fever interface and their components to play as an heat-conducting medium.

### Typical applications:

heating power devices, automotive electronics heating module, power supply module, computer and peripheral equipment, household appliances, heating source and chassis as well as between any need for filling and cooling heat generator place

### Main Performance Parameter:



Test item	Test method	Unit	3K series test value			
			3K-23	3K-30	3K-45	3K-80
Color	Visual		pink/grey	pink/grey	grey	grey
Thickness	ASTM D374	MM	0.23±0.03	0.3±0.03	0.45±0.03	0.8±0.03
Specific gravity	ASTM D792	g/cm <sup>3</sup>	1.7±0.1	1.7±0.1	1.7±0.1	1.7±0.1
Hardness	ASTM D2240	Shore A	85±5	85±5	85±5	85±5
Elongation strength	ASTM D412	KG/CM <sup>2</sup>	>180	>180	>180	>180
	ASTM D412	pa	1.8*10 <sup>11</sup>	1.8*10 <sup>11</sup>	1.8*10 <sup>11</sup>	1.8*10 <sup>11</sup>
Working temperature		°C	-40~+130°C	-40~+130°C	-40~+130°C	-40~+130°C
Elongation	ASTM D412	%	3~8	3~8	3~8	3~8
Voltage endurance	ASTM D149	kv/mm	>3.0	>3.0	>4.0	>5.0
Conductivity	ASTM D5470	w/m.k	1.2w	1.2w	1.2w	1.2w

**Professional Thermal Management Solution Provider**