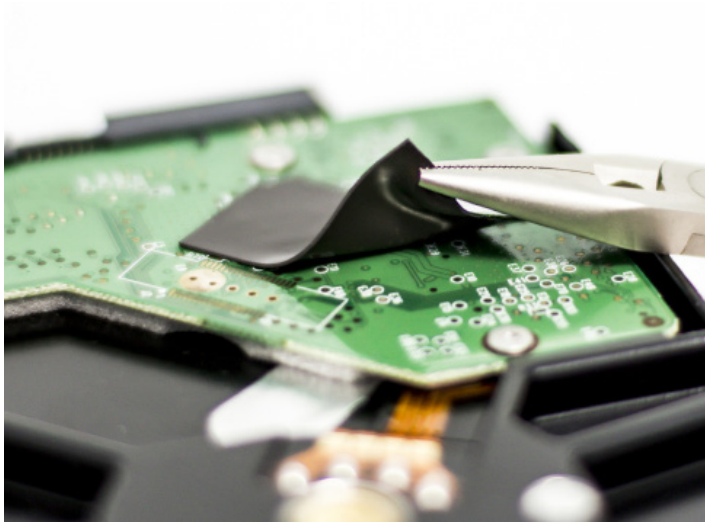


SP0 4.0 - THERMAL SILICONE PAD

Data Sheet DS_99

1/1



DESCRIPTION

Silicone pads offer several advantages, including excellent thermal conductivity, electrical insulation, and resistance to high temperatures and harsh chemicals. They are flexible, conformable, and can be easily cut to size, making them ideal for a wide range of applications such as thermal management, electronic insulation, and gasketing.

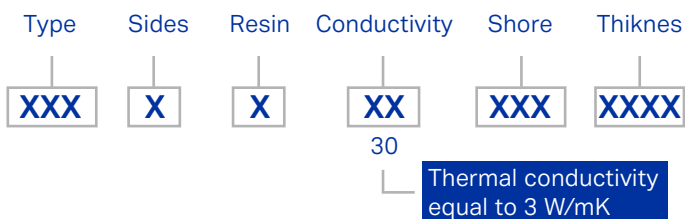
Silicone pads provide a reliable and cost-effective solution for improving heat dissipation and reducing the risk of overheating in electronic devices. They are also environmentally friendly and have a long lifespan, making them a sustainable choice for various industries.



RoHS 3 / REACH
Last updated compliance directive



PART NUMBER:



TYPICAL APPLICATIONS:

- Semiconductor heat sink
- Vehicle navigator
- Communication & power equipment
- Graphics card, memory module
- LED lighting equipment

Properties	UNITS	SP01S4050500	TEST METHOD
Color	-	Grey	Visual
Thickness	mm	0.5-10.0	ASTM D374
Specific Gravity	g/cc	3.1	ASTM D792
Thermal conductivity	W / mK	4.0	ASTM D5470
Hardness	Shore 00	50-90	ASTM D2240
Elongation	%	35	ASTM D412
Tensile Strength	psi	35	ASTM D412
Electrical Strength	VAC/mil	>200	ASTM D149
UL Flammability Rating	-	UL94 V-0	E355606
Volume resistivity	$\Omega \cdot \text{cm}$	$1 \cdot 10^{13}$	ASTM D257
Operating temperature	$^{\circ}\text{C}$	-50/200	-
Thermal resistance (1mm,@40psi)	$^{\circ}\text{C} \cdot \text{in}^2/\text{W}$	0.4	ASTM D5470
Compression ratio (1mm,@40psi)	-	30%	-
Dielectric constant	MHz	5.5	ASTM D150
RoHS (10)	-	PASS	IEC 62321
Halogen (4)	-	PASS	EN 14582
REACH (191)	-	PASS	EN 14732

STORAGE CONDITIONS

Store in a ventilated, cool and dry place, do no touch open flames. This product is nontoxic and is stored and transported as non-dangerous goods.