



5W/m·K silicone thermal pad for high operating temperature applications

Features

- Volatilization of low-molecular-weight siloxane gas is minimal, which should minimize PCB contact failure in long-term use.

(The values below are not guaranteed.)

Test type	Unit	Standard	SPVS
Thermal Conductivity	W/m·K	JIS R 2616 (Hot-wire method)	5.0
		ISO22007-2 (Hot Disc method)	3.4
Color	—	—	Green
Thickness	mm	—	0.5/1.0/1.5
Specific Gravity	—	JIS Z 8807	2.75
Hardness	ASCER C	JIS K 7312	70
	Shore 00	ASTM D 2240	86
Tensile strength	MPa	JIS K 6251	0.78
Elongation rate	%	JIS K 6251	46
Volume Resistivity	$\Omega \cdot \text{cm}$	JIS K 6911 compliant	3.0×10^{11}
Breakdown voltage	kV/mm	JIS C 2110-1 compliant	3.2
Withstanding voltage	kV/mm	JIS C 2110-1 compliant	1.8
Dielectric constant	1MHz	Company standard	13.7
Loss tangent	1MHz	Company standard	0.06
Flammability	—	UL94	V-0
Operating temp	$^{\circ}\text{C}$	—	-20~125
Available max. dimension ^{※1)}	mm	—	210×510

※1) Please contact us for available pcs/sheet.

