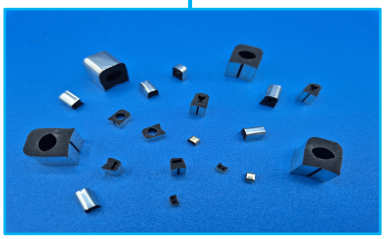
SMGS-Type_WE



Contact pads (or pads or pads) are used exclusively on the printed circuit board (PCB) and, because of their electrical and physical properties, they are an excellent alternative to CMS contact springs for grounding PCBs. They are weldable directly in CMS installation because packaged in coil. CMS contact pads, type W, have a silicone rubber core which is covered with a weldable conductive film. The parts are delivered as standard in tape and coil packaging for installation in CMS.

Application Areas: Electronic Components - Electric Vehicles, 5G, Autopilot System, Mobile Phone, AIOT, HPC (High Performance Computing), Server, IC, CPU, MOS, LED, Motherboard, Power Supply, Heat Sink, LCD-TV, Laptop, PC, Telecommunication Device, Wireless Hub, DDR ll Module, etc.

Technical characteristics

Features	Values/Tolerences	Test metod
Base material	Non-conductive silicone core	-
Ceonductive foil	Sn/Au plated CU- PI film	-
Color	Silver	Visuel
Width (L), Height (H), Length (L)	see table below	Caliper
Heat resistance	265°C	internal test
Use temperature	-40 to +150°C	internal test
Total mass loss	0% @ 85°C / 0.9% @ 400°C	DIN EN ISO/IEC 170025
Electrical resistance	Max 0.1Ω	HIOKI 3540 mΩ HITESTER
Adhesive force	Mini length. 150gf/ width: min. 200gf	UTM
Compression/deflection ratio	Min. 90%	40% Compression 10 000 Cycles
Flammability	UL94-V1 Equivalent	UL94
Temperature/humidity storage	Less than 40°C if humidity 90%/ 40 - 65°C, if humidity 70%	-
Lifetime	1 year	-
Guarantee	6 months from production	-

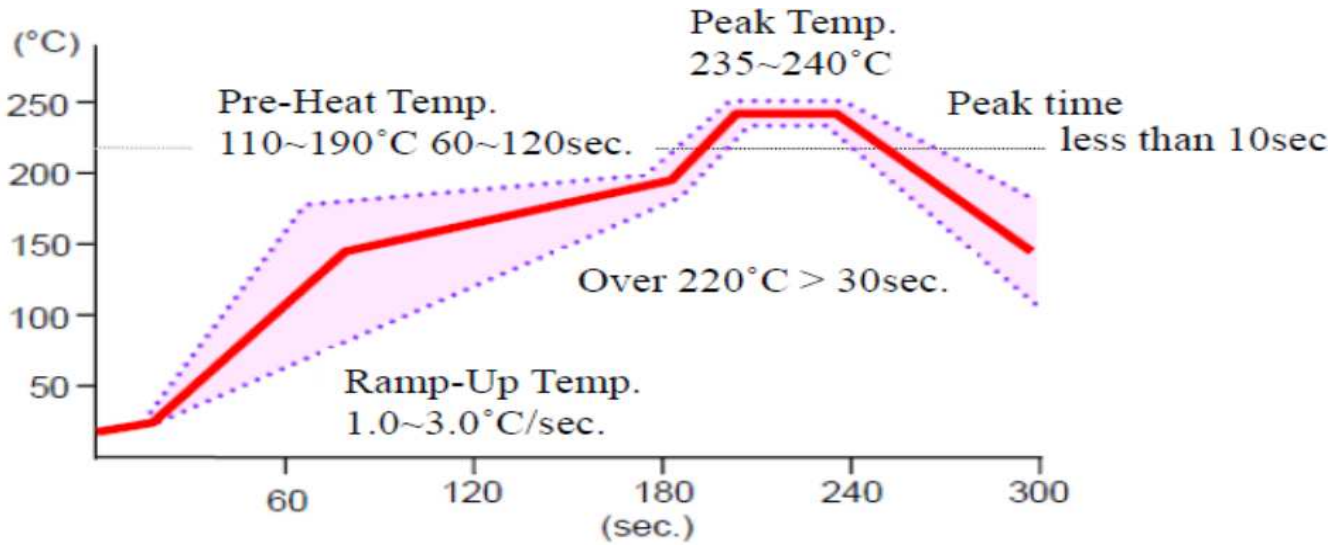
SMGS-Type_WE

Standard sizes available

Product Code	Width	Height	Length	Qty/Reel
SMG-W-2.0x0.7x1.0-SN	2.0	0.7	1.0	4000
SMG-W-2.5x0.7x1.0-SN (sans trou)	2.5	0.7	1.0	4000
SMG-W-2.0x1.0x1.25-AU	2.0	1.0	1.25	10000
SMG-W-2.0x1.2x1.25-AU	2.0	1.2	1.25	6000
SMG-W-2.5x1.2x1.0-SN	2.5	1.2	1.0	3000
SMG-W-2.5x1.5x1.0-AU	2.5	1.5	1.0	2500
SMG-W-3.0x1.5x2.0-AU	3.0	1.5	2.0	8000
SMG-W-3.0x1.5x4.0-SN	3.0	1.5	4.0	6000
SMG-W-4.0x1.5x3.0-SN	4.0	1.5	4.0	6000
SMG-W-2.5x2.0x1.0-SN	2.5	2.0	1.0	2000
SMG-W-3.0x2.0x2.0-SN	3.0	2.0	2.0	2000
SMG-W-3.0x2.0x2.0-AG	3.0	2.0	2.0	6000
SMG-W-3.0x2.5x3.0-SN	3.0	2.5	3.0	4000
SMG-W-3.0x3.0x3.0-SN	3.0	3.0	3.0	3000
SMG-W-4.0x3.0x3.0-SN	4.0	3.0	3.0	3000
SMG-W-4.0x3.5x3.0-SN	4.0	3.5	3.0	3000
SMG-W-4.0x4.0x3.0-SN	4.0	4.0	3.0	2000
SMG-W-4.0x4.0x6.0-SN	4.0	4.0	6.0	2500
SMG-W-4.0x4.5x3.0-SN	4.0	4.5	3.0	2000
SMG-W-4.5x4.5x6.0-SN	4.5	4.5	6.0	2500
SMG-W-4.5x5.0x6.0-SN	4.5	5.0	6.0	1000
SMG-W-5.0x5.0x6.0-SN	5.0	5.0	6.0	1500
SMG-W-4.5x6.0x2.5-SN	4.5	6.0	2.5	1500
SMG-W-4.5x6.0x6.0-SN	4.5	6.0	6.0	1000
SMG-W-5.0x6.5x3.0-SN	5.0	6.5	3.0	1500
SMG-W-6.0x6.5x5.0-SN	6.0	6.5	5.0	1000
SMG-W-5.0x7.5x3.0-SN	5.0	7.5	3.0	1500
SMG-W-5.0x7.5x6.0-SN	5.0	7.5	6.0	900
SMG-W-5.0x9.0x6.0-SN	5.0	9.0	6.0	800
SMG-W-10.0x12.0x8.4-SN	10.0	12.0	8.4	500

SMGS-Type_WE

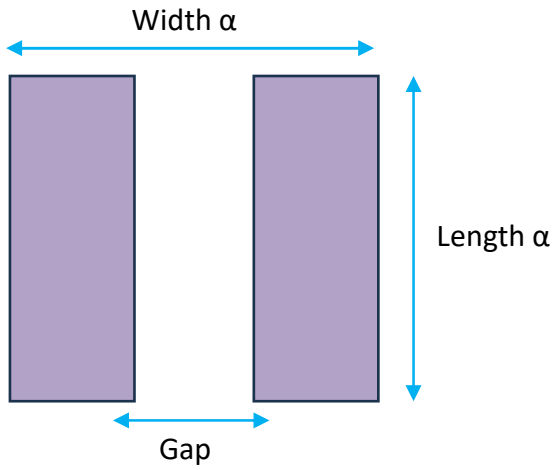
Recommended condition of reflow welding



Recommended Weld Pad Dimensions

Deux Parternes	Applied range	Size of welding pad α
Width	≤ 5.0	+0.3
	> 5.0	+0.5
Length	≤ 5.0	+0.3
	> 5.0	+0.5
Gap	≤ 5.0	¼ wide
	> 5.0	

SMG Welding Paterne



The results were obtained under laboratory conditions and should be considered only as an indication. As AB2E has no control over its customers' equipment and many other factors, it is the user's responsibility to carry out its own tests to ensure that the product corresponds to its needs.