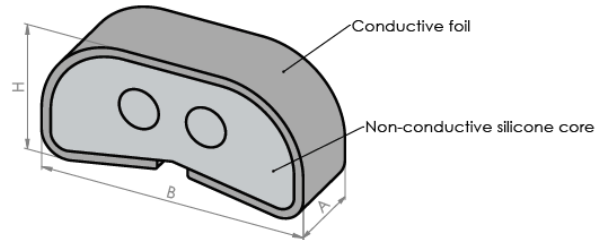


SMD contact pads are used exclusively on the printed circuit board (PCB) and, due to their electrical and physical properties, they are an excellent alternative for grounding of PCBs.

SMD contact pads, type W, have a silicone rubber core which is covered with a conductive solderable film.

The parts are delivered in tape & reel packaging as standard.

- High adhesion after SMT procedure
- High temperature resistance
- Excellent spring properties
- Excellent grounding characteristics
- High abrasion resistance
- Plane-parallel compression at all heights



RoHS



REACH



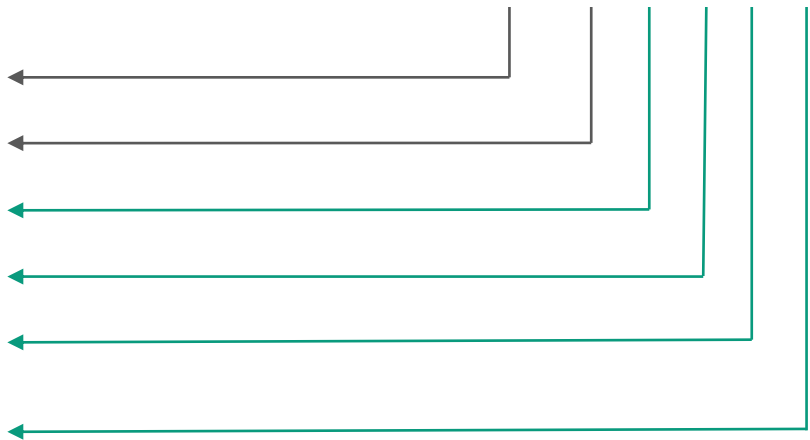
PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic material	Silicone rubber / PI film	-
Filler (core)	Nickel / carbon powder	-
Colour	Silver	Visual
Width (W), height (H), length (L)	See table	Digital caliper
Heat resistance	400 °C	Internal test method
Service temperature	-40 to +150 °C	Internal test method
Total mass loss (TML)	0% @ 85°C 0,9% @ 400°C	DIN EN ISO/IEC 17025
Electric resistance:		
• Origin	Max. 0,1 Ω	HIOKI 3540 mΩ HITESTER
• Thermohygrostat	Max. 0,1 Ω	
• Brine atomizing	Max. 0,1 Ω	
• Thermal shock	Max. 0,1 Ω	
Adhesion strength	Min. 7,8 N	UTM
Compression-deflection rate (%)	Min. 95%	20% compression, 85°C/85%RH, 200Hr
Hardness	65 ±8 Shore A	KS M 6519
Flammability	UL94-V0 equivalence	UL94
Storage temperature	20 °C	-
Storage humidity	App. 50% rH; non-condensing	-
Shelf life	1 year	-
Guarantee	6 months	-

BUILDING AN ITEM NUMBER

SMG-W-WxHxL-XX

SMD Contact Pad	
Type W	
xxx	Width (mm)
xxx	Height (mm)
xxx	Length (mm)
SN	Tin plated
AU	Gold plated

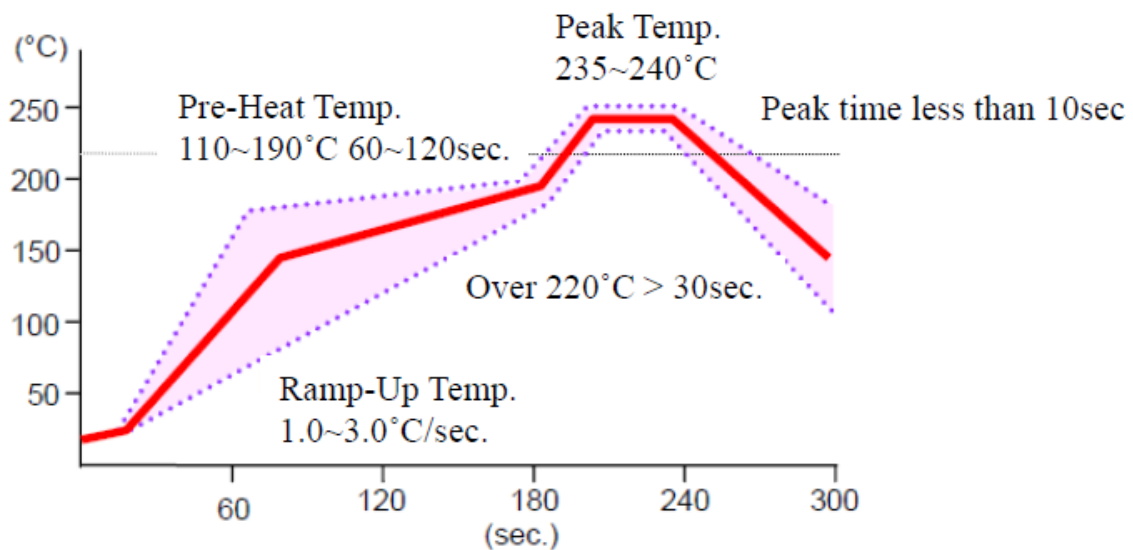


Standard options

EXAMPLE

SMG-S-2,0x1,1x1,0-SN
SMD contact pad; type S; size: 2,0x1,1x1,0 mm; tin plated

RECOMMENDED REFLOW SOLDERING CONDITION



AVAILABLE STANDARD SIZES (mm)

ITEM NUMBER	WIDTH	HEIGHT	LENGTH	QUANTITY / REEL
SMG-W-2,0x0,7x1,0-SN	2,0	0,7	1,0	4.000
SMG-W-2,5x0,7x1,0-SN (without hole)	2,5	0,7	1,0	4.000
SMG-W-2,0x1,0x1,25-AU	2,0	1,0	1,25	10.000
SMG-W-2,0x1,2x1,25-AU	2,0	1,2	1,25	6.000
SMG-W-2,5x1,2x1,0-SN	2,5	1,2	1,0	3.000
SMG-W-2,5x1,5x1,0-SN	2,5	1,5	1,0	2.500
SMG-W-3,0x1,5x2,0-AU	3,0	1,5	2,0	8.000
SMG-W-3,0x1,5x4,0-SN	3,0	1,5	4,0	6.000
SMG-W-4,0x1,5x3,0-SN	4,0	1,5	3,0	6.000
SMG-W-2,5x2,0x1,0-SN	2,5	2,0	1,0	2.000
SMG-W-3,0x2,0x2,0-SN	3,0	2,0	2,0	2.000
SMG-W-3,0x2,0x2,0-AG	3,0	2,0	2,0	6.000
SMG-W-3,0x2,5x3,0-SN	3,0	2,5	3,0	4.000
SMG-W-3,0x3,0x2,0-SN	3,0	3,0	2,0	3.000
SMG-W-4,0x3,0x3,0-SN	4,0	3,0	3,0	3.000
SMG-W-4,0x3,5x3,0-SN	4,0	3,5	3,0	3.000
SMG-W-4,0x4,0x3,0-SN	4,0	4,0	3,0	2.000
SMG-W-4,0x4,0x6,0-SN	4,0	4,0	6,0	2.500
SMG-W-4,0x4,5x3,0-SN	4,0	4,5	3,0	2.000
SMG-W-4,5x4,5x6,0-SN	4,5	4,5	6,0	2.500
SMG-W-4,5x5,0x6,0-SN	4,5	5,0	6,0	1.000
SMG-W-5,0x5,0x6,0-SN	5,0	5,0	6,0	1.500
SMG-W-4,5x6,0x2,5-SN	4,5	6,0	2,5	1.500
SMG-W-4,5x6,0x6,0-SN	4,5	6,0	6,0	1.000
SMG-W-5,0x6,5x3,0-SN	5,0	6,5	3,0	1.500
SMD-W-6,0x6,5x5,0-SN	6,0	6,5	5,0	1.000
SMG-W-5,0x7,5x3,0-SN	5,0	7,5	3,0	1.500
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

RECOMMENDED SOLDER PAD DIMENSIONS (mm)

TWO PATTERN	APPLIED RANGE	SOLDER PAD SIZE α
Width	$\leq 5,0$	+ 0,3
	$> 5,0$	+ 0,5
Length	$\leq 5,0$	+ 0,3
	$> 5,0$	+ 0,5
Gap	$\leq 5,0$	$\frac{1}{4}$ of width
	$> 5,0$	

SOLDER LAND ONE PATTERN (wrapping type)

