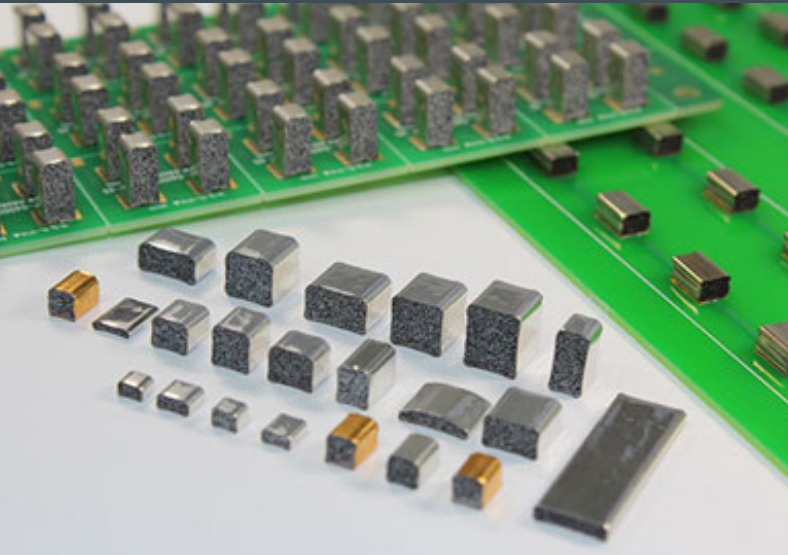
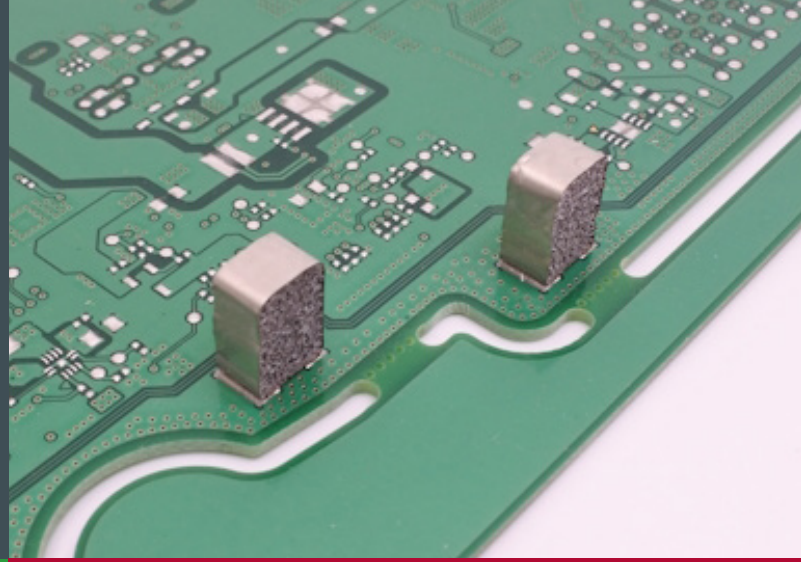


ELECTROMAGNETIC COMPATIBILITY & THERMAL MANAGEMENT



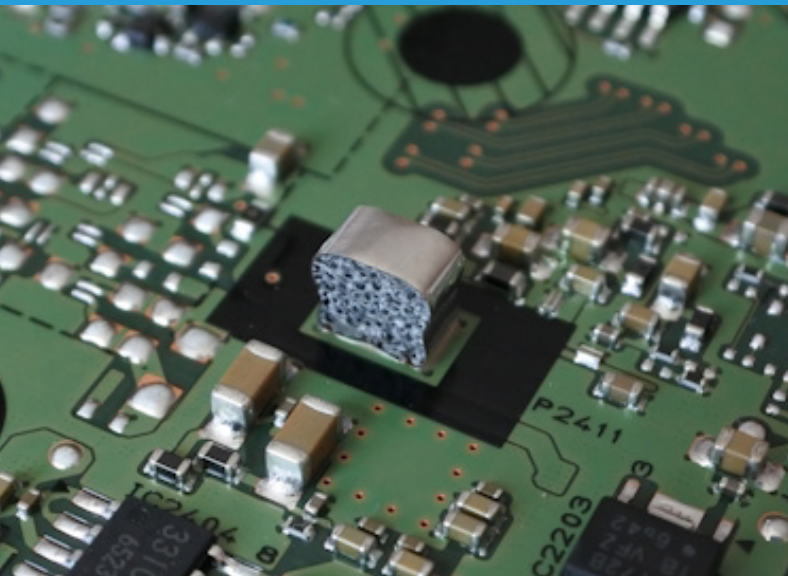
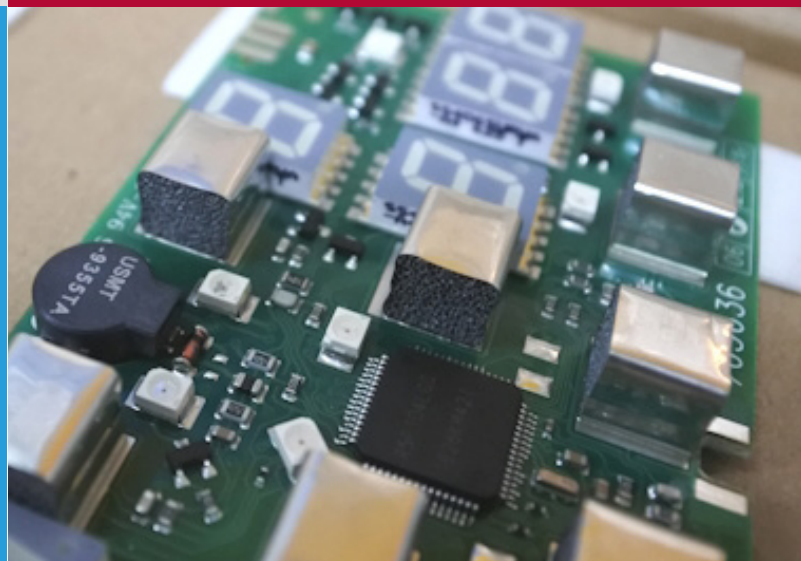
SOFT SMD
CONTACT PADS

SOFT SMD CONTACT PADS



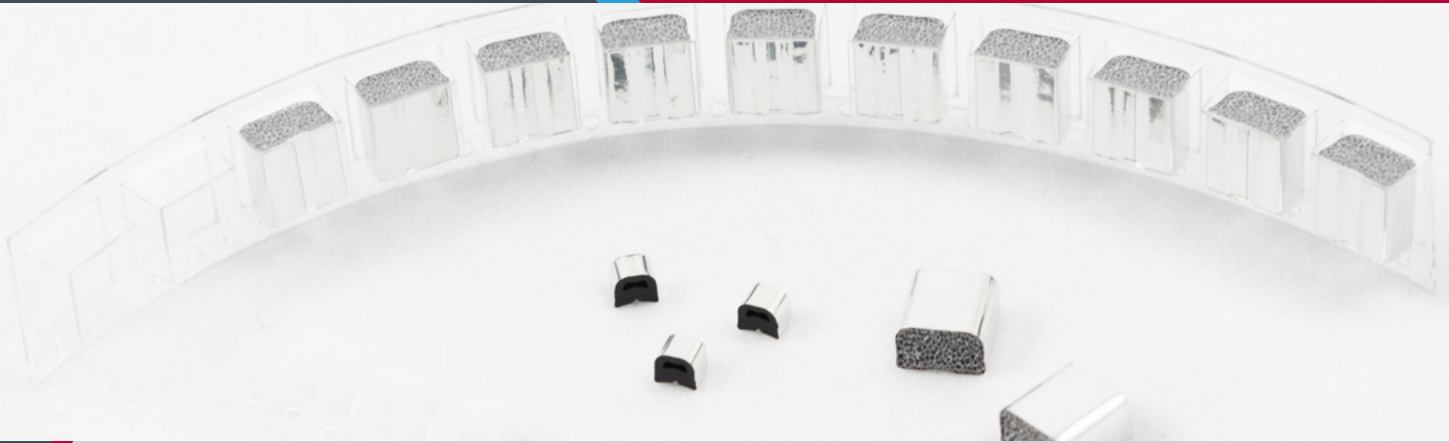
Soft SMD Contacts pads are welded on PCB to make EMI grounding on electronic assemblies.

As an alternative to spring finger contacts, soft SMD contact pads propose a better compression rate and a more competitive price. These parts are used to make EMI grounding on electronic assemblies. From 0,7 height to 25mm.



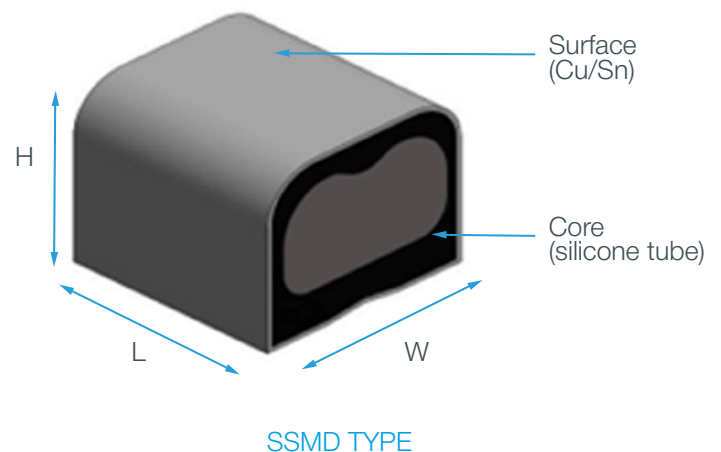
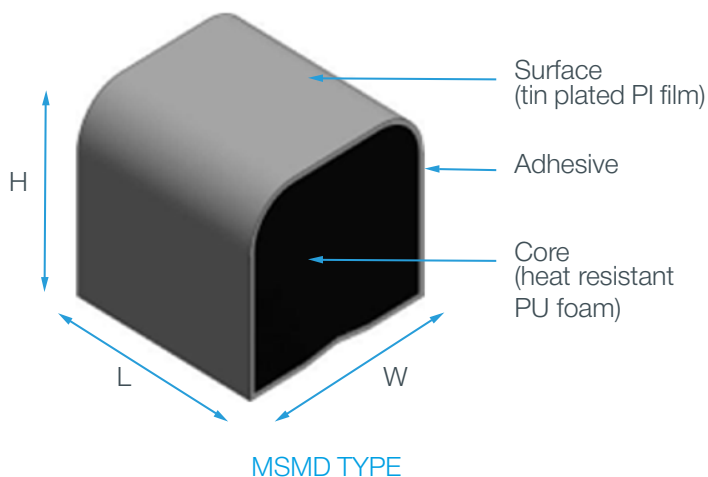
Widely used on industry and automotive field, these SMD Contact pads are made of a metal-plated film wrapped over foam or silicon core. They are packaged on reel for automatic assembly process and welding on PCB.

Different materials and shapes are available depending on your needs.



PRODUCT OUTLINE & STRUCTURE

Since the SMD gasket is wrapped with a plated PI film or plated directly on the core, it has good electrical conductivity, and the heat-resistant cushion core can withstand reflow and has good resilience. It is good for grounding a PCB or as an electrode for a capacitive touch switch module.



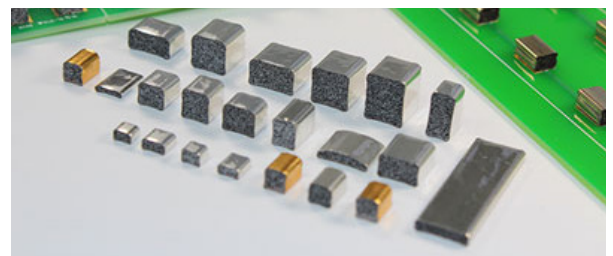
FEATURES

- Superior heat resistance, electrical conductivity, restoration, & solderability
- Efficient mass-production using SMT equipment
- UL94V-0 certified flame-retardant, Halogen Free



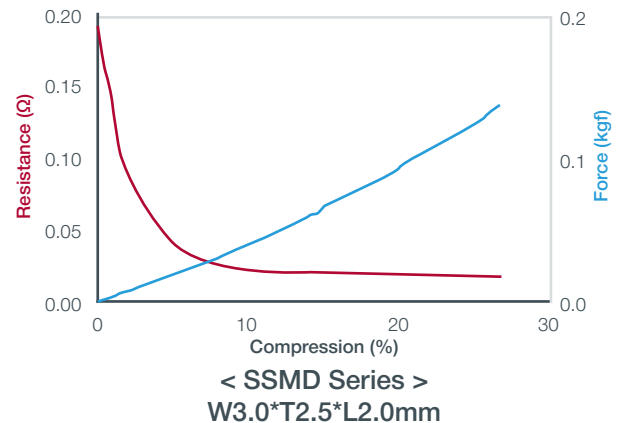
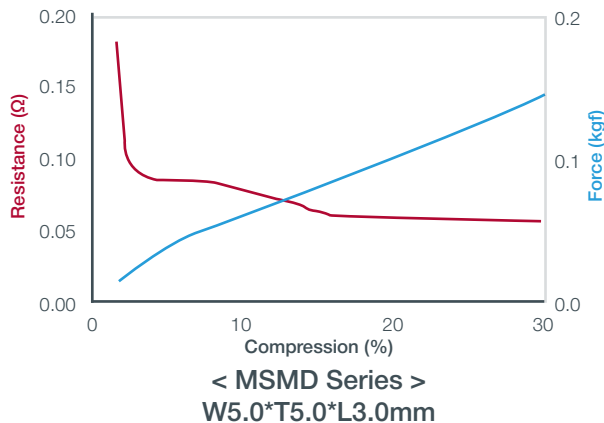
APPLICATION & APPLICATION EXAMPLES

- Application Grounding PCB, electrode for a capacitive touch module
- Example: TV, LCD, laptop, monitor, GPS, mobile and touch sensor



SPECIFICATIONS

Compression-resistance graph



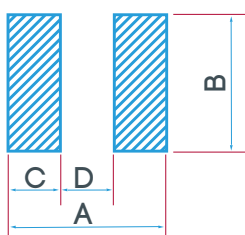
Product specifications

ITEM	MSMD TYPE	SSMD TYPE	MSMDX TYPE	METHOD
Characteristic	Soft	Small	Soft & heat resistant	
Thickness	3 ~ 25 mm	0.5 ~ 3 mm	3 ~ 25 mm	
Cover	Conductive PI* film	Conductive Surface	heat-resistant & conductive PI film	
Core	heat-resistant PU** foam	Silicone rubber	heat-resistant PU foam	
Operating temperature	-40 ~ 105°C	-40 ~ 125°C	-40 ~ 125°C	
Resistance	< 0.1 Ω	< 0.1 Ω	< 0.1 Ω	ESQ-612-02
Reflow profile	230 - 260 °C	230 - 260 °C	230 - 260 °C	Peak : 10 sec max.
Flame rating	UL94 V-0	UL94 V-0	UL94 V-0	UL No. E221431
Recovery rate after repeated compression	> 90%	> 90%	> 90%	ESQ-612-26
Recommended compression	10 ~ 30%	10 ~ 30%	10 ~ 30%	ESQ-612-27
Solder joint strength	> 500 gf	> 500 gf	> 500 gf	ESQ-612-36

*PI : polyimide **PU : polyurethane

PCB LAND DIMENSION AND SOLDERING PATTERN

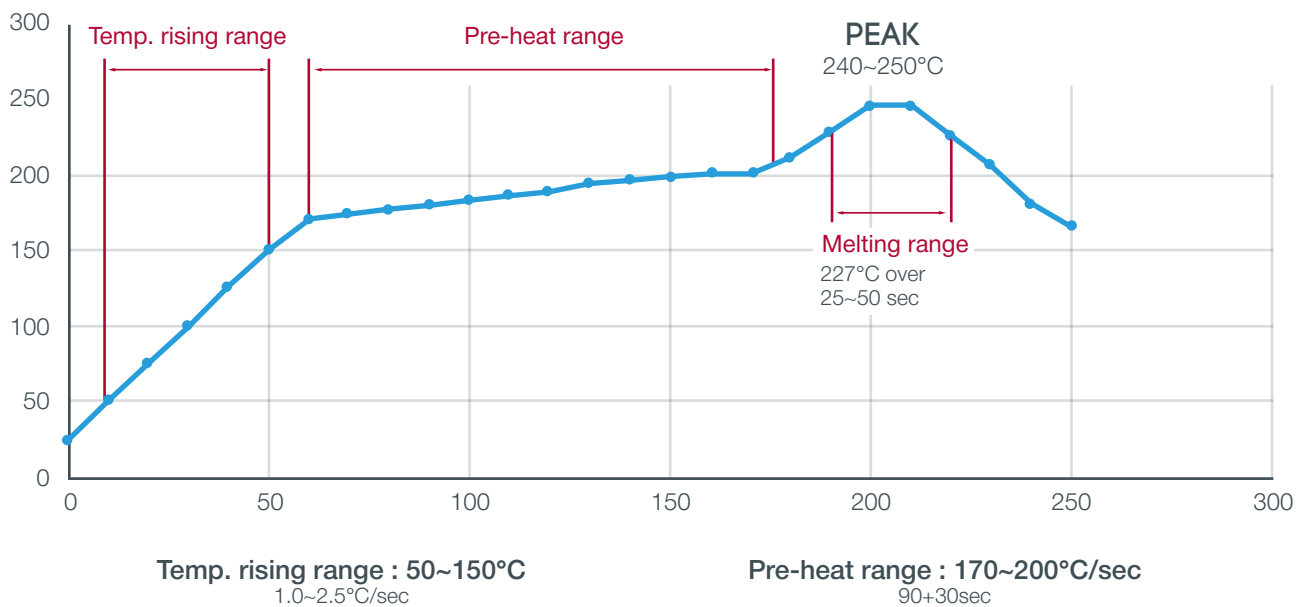
Recommended dimensions. (unit: mm)



WITH OF SMD	1.1	2	3	3.5	4	4.5	5	6	7	8	9	10	10
A	width+0.2			width+0.5									
B	length+0.2												
C	0.4	0.7	1.1	1.3	1.5	1.5	2	2	2.5	2.7	3	3	3.5

PART N° SYSTEM
SSMD
XXX
XXX
XXX

SSMD or
MSMD (X)

W
L
T
Dimensions
RECOMMENDED REFLOW CONDITION


- ※ This is the recommended condition suitable for halogen-free solder paste. (temperature condition applicable to PCB)
- ※ Reflow : Max. 2 cycles

RECOMMENDED REFLOW CONDITION

- Please keep away from a direct sunlight or high temperature and humidity. (Temperature below 35 °C, less than 75%RH humidity.)
- Please be careful to chemicals and firearms.
- Please handle with care to avoid damage to appearance.
- Please be careful to avoid a high-temperature and high-humidity environment after opening the reel.
- Do not touch the product with bare hands.
- Please be careful not to apply excessive force to the sponge inside the product.
- The characteristics of the product may be changed if you apply pressure repeatedly.
- Please be careful that the appearance of product can be changed if twisting of the product occurs.
- The warranty period of product is 6 months if in the pocket or 4 months if a bulk type. (However, the period is only if complied with above ways and precautions.)

SIZE LIST

MSMDX uses the same mold as MSMD. (“*” marks are estimated values.)

P/N	W	L	T	Q'TY (PCS/Reel)
SSMD010010009	1	1	0.9	
SSMD011032007	1.1	3.2	0.7	16000
SSMD020020020	2	2	2	7700
SSMD030016012	3	1.6	1.2	5000*
SSMD030018012	3	1.8	1.2	5500
SSMD030020012	3	2	1.2	5000*
SSMD030020020	3	2	2	3500
SSMD030020025	3	2	2.5	3000
MSMD030030040	3	3	4	1500*
MSMD035060010	3.5	6	1	6000
MSMD035025020	3.5	2.5	2	3500*
MSMD035025025	3.5	2.5	2.5	3000
MSMD035025030	3.5	2.5	3	2000
MSMD035025040	3.5	2.5	4	2000
MSMD035030040	3.5	3	4	2000
MSMD040030025	4	3	2.5	3000
MSMD040030030	4	3	3	200
MSMD040050030	4	5	3	2000
MSMD040030035	4	3	3.5	2000
MSMD040040035	4	4	3.5	2000
MSMD040050035	4	5	3.5	2000
MSMD040030040	4	3	4	1500
MSMD040040040	4	4	4	1500
MSMD040030045	4	3	4.5	1500
MSMD040030055	4	3	5.5	1500
MSMD040040055	4	4	5.5	1500
MSMD040030060	4	3	6	1300
MSMD045060045	4.5	6	4.5	1800
MSMD045025065	4.5	2.5	6.5	1300
MSMD045045120	4.5	4.5	12	450
MSMD050040030	5	4	3	2000
MSMD050030050	5	3	5	1500
MSMD050030060	5	3	6	1400
MSMD050050060	5	5	6	1400
MSMD050050095	5	5	9.5	600
MSMD050030100	5	3	10	500
MSMD050050150	5	5	15	400
MSMD060040030	6	4	3	1500
MSMD060060045	6	6	4.5	1000
MSMD060040050	6	4	5	1000
MSMD060060050	6	6	5	1000
MSMD060060060	6	6	6	900
MSMD060040065	6	4	6.5	900
MSMD060080065	6	8	6.5	900

P/N	W	L	T	Q'TY (PCS/Reel)
MSMD060030075	6	3	7.5	700
MSMD060040075	6	4	7.5	700
MSMD060040080	6	4	8	600
MSMD060040085	6	4	8.5	600
MSMD060080085	6	8	8.5	600
MSMD060040090	6	4	9	600
MSMD060080095	6	8	9.5	500
MSMD060040100	6	4	10	500
MSMD060080100	6	8	10	500
MSMD060040110	6	4	11	500
MSMD060080120	6	8	12	450
MSMD060080123	6	8	12.3	450
MSMD060050125	6	5	12.5	400
MSMD060040150	6	4	15	400
MSMD060080150	6	8	15	400
MSMD060060160	6	6	16	350
MSMD060080135	6	8	13.5	400
MSMD070070070	7	7	7	800
MSMD070070090	7	7	9	500
MSMD070070145	7	7	14.5	250
MSMD075075145	7.5	7.5	14.5	250
MSMD075075180	7.5	7.5	18	200
MSMD080080050	8	8	5	1000
MSMD080080060	8	8	6	800
MSMD080035075	8	3.5	7.5	800
MSMD080040075	8	4	7.5	800
MSMD080080075	8	8	7.5	800
MSMD080100075	8	10	7.5	800
MSMD080045100	8	4.5	10	500
MSMD080080100	8	8	10	500
MSMD080080110	8	8	11	380
MSMD080080120	8	8	12	350*
MSMD080100150	8	10	15	280
MSMD080150150	8	15	15	280
MSMD090090070	9	9	7	600
MSMD100070025	10	7	2.5	1300
MSMD100100050	10	10	5	800
MSMD100040060	10	4	6	700
MSMD100100130	10	10	13	300
MSMD100100135	10	10	13.5	300
MSMD100075150	10	7.5	15	150
MSMD100100150	10	10	15	150
MSMD100100200	10	10	20	150
MSMD130100040	13	10	4	800

MSMDX uses the same mold as MSMD. (“*” marks are estimated values.)