

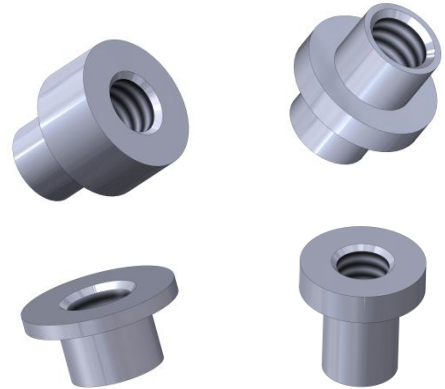
SMD fasteners are used on the PCB as a mounting option or as a spacer. Furthermore they can be used to conduct electrical signals, for ground connection or for thermal management.

As surface mounting fasteners are designed for fully automated production, manufacturing processes can be significantly optimized due to simple and fast assembly.

An extensive product range enables great design flexibility in PCB and housing design.

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

- Easy to assemble
- Precise position on the PCB
- Optionally bulk type packing
- Customer specific parts available
- Tin-plated as standard for best solderability; gold plating on request

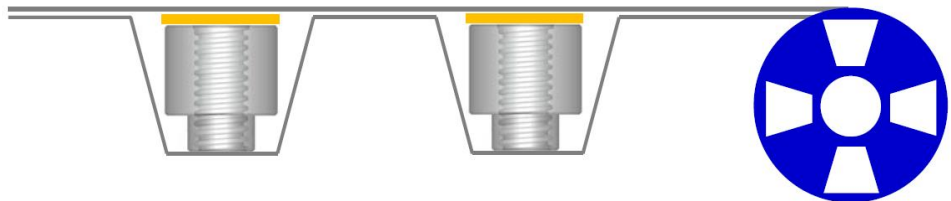
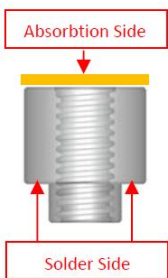


## PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Basic material	Brass C3604 *	-
Plating	Sn 2-3 µm over Ni 2,5 µm plating	-
Operation temperature	-40 to 150 °C	-
Kapton® tape	V-0	UL94

\*RoHS compliant with exemption 6 (c)

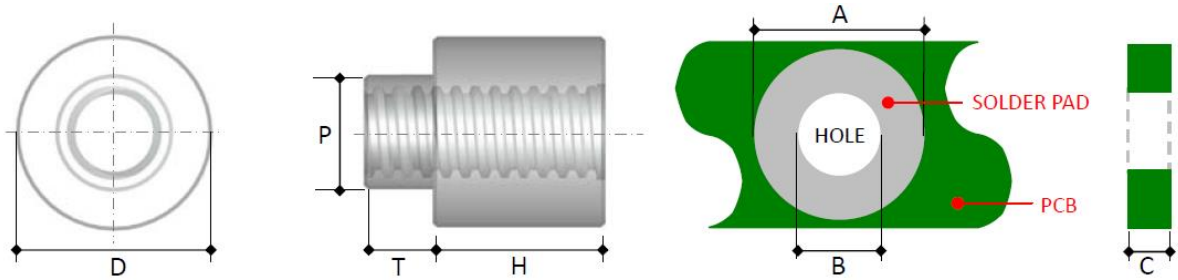
## PACKING



- The Kapton® tape is attached to the top hole of the SMD fastener for SMT nozzle pick & place process

# SMD FASTENER Type A (with positioner)

## ITEM NUMBER & DIMENSIONS in mm

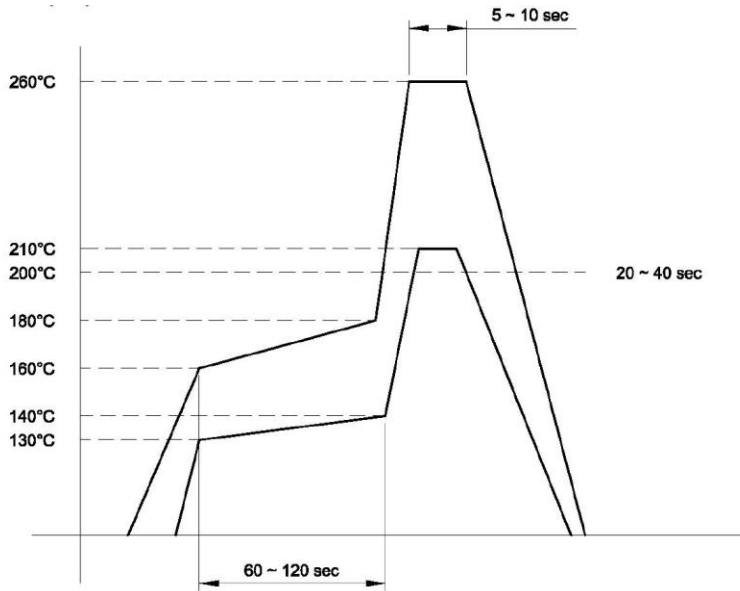


THREAD SIZE	ITEM NUMBER	D	P	T	H	A	B	C	CURRENT CAPACITY	TORQUE (Nm)
M1,2x0,25P	SMF-A-N0092512A-SN-SMD	2,50	2,00	1,00	0,90	2,50	2,20	≥ 1,10	10A	0,06
M1,6x0,35P	SMF-A-N0093516A-SN-SMD	3,50	2,40	0,85	0,90	3,50	2,60	≥ 0,90	10A	0,1
	SMF-A-N0143416A-SN-SMD	3,40	2,20	0,80	1,40	3,40	2,40	≥ 0,90	10A	0,1
	SMF-A-N0213416A-SN-SMD	3,40	2,30	0,50	2,10	3,40	2,50	≥ 0,90	10A	0,1
	SMF-A-N0303216A-SN-SMD	3,20	2,20	0,80	3,00	3,20	2,40	≥ 0,90	12A	0,1
M1,8x0,35P	SMF-A-N0323018A-SN-SMD	3,00	2,40	0,90	3,15	3,00	2,60	≥ 0,90	12A	0,06
	SMF-A-N0343018A-SN-SMD	3,00	2,40	0,90	3,35	3,00	2,60	≥ 1,00	10A	0,06
M2,0x0,40P	SMF-A-N0103620A-SN-SMD	3,60	2,90	1,00	1,00	3,60	3,10	≥ 1,10	10A	0,06
	SMF-A-N0103620A1-SN-SMD	3,60	2,90	2,55	1,00	3,60	3,10	NA	10A	0,06
	SMF-A-N0105020A-SN-SMD	5,00	3,90	3,10	1,00	5,00	4,00	NA	10A	0,12
	SMF-A-N0144520A1-SN-SMD	4,50	2,80	1,60	1,40	4,50	3,00	≥ 1,60	10A	0,12
	SMF-A-N0144720A-SN-SMD	4,70	3,00	0,95	1,40	4,70	3,30	≥ 1,00	10A	0,12
	SMF-A-N0155220A-SN-SMD	5,20	4,00	1,00	1,50	5,20	4,20	≥ 1,00	10A	0,15
	SMF-A-N0195020A-SN-SMD	5,00	2,90	1,00	1,90	5,00	3,10	≥ 1,00	10A	0,15
	SMF-A-N0205020A-SN-SMD	5,00	3,60	1,00	2,00	5,00	3,80	≥ 1,00	10A	0,12
	SMF-A-N0215020A-SN-SMD	5,00	2,90	1,15	2,10	5,00	3,10	≥ 1,20	10A	0,2
	SMF-A-N0254520A-SN-SMD	4,50	3,20	1,20	2,50	4,50	3,40	≥ 1,20	10A	0,15
	SMF-A-N0304020A-SN-SMD	4,00	2,70	0,90	3,00	4,00	2,90	≥ 1,00	12A	0,15
	SMF-A-S0354020A-SN-SMD	4,00	2,90	1,10	3,50	4,00	3,10	≥ 1,20	12A	0,15
	SMF-A-S0435020A-SN-SMD	5,00	2,90	3,10	4,30	5,00	3,10	NA	15A	0,2
	SMF-A-S0474020A-SN-SMD	4,00	2,90	1,10	4,70	4,00	3,10	≥ 1,20	15A	0,15
	SMF-A-S0504020A-SN-SMD	4,00	2,90	1,50	5,00	4,00	3,10	≥ 1,60	15A	0,15
	SMF-A-N0554020A-SN-SMD	4,00	2,70	0,90	5,50	4,00	2,90	≥ 1,00	15A	0,15
	SMF-A-S0563920A-SN-SMD	3,90	2,90	1,20	5,60	3,90	3,10	≥ 1,20	15A	0,2
	SMF-A-N0604020A-SN-SMD	4,00	2,50	1,50	6,00	4,00	2,70	≥ 1,60	15A	0,15
	SMF-A-S0635020A-SN-SMD	5,00	3,90	1,20	6,30	5,00	4,10	≥ 1,20	18A	0,12
	SMF-A-N0654020A-SN-SMD	4,00	2,90	1,60	6,50	4,00	3,10	≥ 1,60	15A	0,15
SMF-A-N0804020A-SN-SMD	4,00	2,90	1,60	8,00	4,00	3,10	≥ 1,60	15A	0,15	
SMF-A-N0903520A-SN-SMD	3,50	2,50	1,50	9,00	3,50	2,70	≥ 1,60	15A	0,1	

### ITEM NUMBER & DIMENSIONS in mm

THREAD SIZE	ITEM NUMBER	D	P	T	H	A	B	C	CURRENT CAPACITY	TORQUE (Nm)
M2,5x0,45P	SMF-A-N0055025A-SN-SMD	5,00	2,90	1,20	0,50	5,00	3,10	≥ 1,20	10A	0,2
	SMF-A-N0126025A-SN-SMD	6,00	4,00	0,90	1,20	6,00	4,20	≥ 1,00	10A	0,29
	SMF-A-N0205025A-SN-SMD	5,00	3,60	1,10	2,00	5,00	3,80	≥ 1,20	10A	0,12
	SMF-A-N0235025A-SN-SMD	5,00	3,40	1,15	2,30	5,00	3,60	≥ 1,20	10A	0,15
	SMF-A-S0305025A-SN-SMD	5,00	3,60	1,00	3,00	5,00	3,80	≥ 1,00	12A	0,12
	SMF-A-N0325025A-SN-SMD	5,00	3,90	1,20	3,15	5,00	4,10	≥ 1,20	15A	0,12
	SMF-A-S0405025A-SN-SMD	5,00	3,60	1,10	4,00	5,00	3,80	≥ 1,20	15A	0,12
	SMF-A-N0406025A-SN-SMD	6,00	4,00	1,10	4,00	6,00	4,20	≥ 1,20	15A	0,29
	SMF-A-S0454525A-SN-SMD	4,50	3,40	1,10	4,50	4,50	3,60	≥ 1,20	15A	0,1
	SMF-A-N0465025A-SN-SMD	5,00	4,00	1,20	4,60	5,00	4,20	≥ 1,20	15A	0,12
	SMF-A-S0465025A1-SN-SMD	5,00	3,90	1,10	4,60	5,00	4,10	≥ 1,20	15A	0,12
	SMF-A-S0495025A-SN-SMD	5,00	3,60	1,20	4,90	4,00	3,10	≥ 1,20	15A	0,15
	SMF-A-N0526025A-SN-SMD	6,00	4,00	1,10	5,20	6,00	4,20	≥ 1,20	15A	0,29
	SMF-A-S0555025A-SN-SMD	5,00	3,60	1,20	5,50	5,00	3,80	≥ 1,20	18A	0,12
	SMF-A-N0565025A-SN-SMD	5,00	4,00	1,10	5,60	5,00	4,20	≥ 1,20	18A	0,12
	SMF-A-S0674525A-SN-SMD	4,50	3,50	1,10	6,65	4,50	3,70	≥ 1,20	18A	0,12
	SMF-A-S0853925A-SN-SMD	3,90	2,90	1,20	8,50	3,90	3,10	≥ 1,20	15A	0,06
	SMF-A-S1005525A-SN-SMD	5,56	4,09	1,53	10,00	5,60	4,22	≥ 1,60	20A	0,29
M3,0x0,5P	SMF-A-N0405030A-SN-SMD	5,00	3,60	1,50	4,00	5,00	3,80	≥ 1,60	15A	0,12
	SMF-A-S0415530A-SN-SMD	5,50	4,00	1,00	4,00	5,50	4,20	≥ 1,20	15A	0,15
	SMF-A-S0426030A-SN-SMD	6,00	4,50	1,50	4,20	6,00	4,70	≥ 1,60	15A	0,25
	SMF-A-S0755530A-SN-SMD	5,50	4,10	1,40	7,50	5,50	4,22	≥ 1,60	18A	0,15
	SMF-A-S0805530A2-SN-SMD	5,50	4,10	0,80	8,00	5,50	4,22	≥ 0,90	20A	0,15
	SMF-A-S0805530A3-SN-SMD	5,50	4,10	1,40	8,00	5,50	4,22	≥ 1,60	20A	0,15
	SMF-A-N0825530A-SN-SMD	5,50	4,00	1,25	8,20	5,50	4,10	≥ 1,60	20A	0,2
	SMF-A-N1105030A-SN-SMD	5,00	3,60	1,50	11,00	5,00	3,80	≥ 1,60	20A	0,12
	SMF-A-S1205530A-SN-SMD	5,50	4,00	1,50	12,00	5,50	4,20	≥ 1,60	25A	0,15
	SMF-A-S1206030A-SN-SMD	6,00	4,50	1,50	12,00	6,00	4,70	≥ 1,60	25A	0,25
M3,5x0,6P	SMF-A-N0327135A-SN-SMD	7,14	4,50	1,10	3,18	7,14	4,70	≥ 1,20	10A	0,39

## RECOMMENDED REFLOW SOLDERING CONDITION



Modifications and errors excepted. The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verifications and testings to determine the suitability for their own particular purpose of any information or products referred to herein.