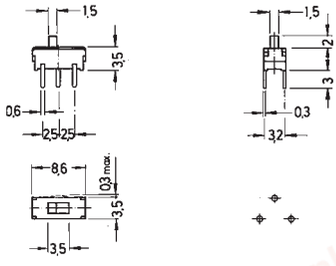
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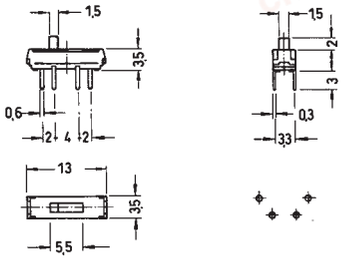
Microminiature Slide Switches

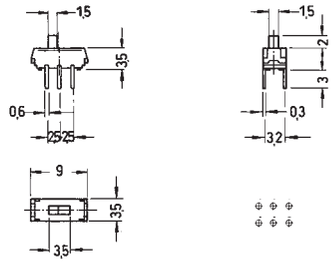
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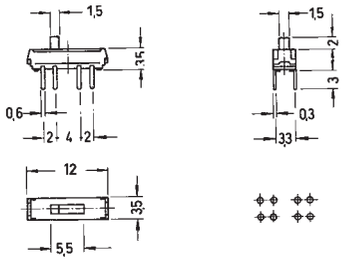
Contact rating:	12 V DC, 200 mA
Contact resistance:	< 50 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Operating temperature:	– 10° to + 60° C
Mechanical life:	minimum 5000 operations
Contacts:	phosphor bronze, silver-plated
Terminals:	brass silver-plated
Contact timing:	non-shorting
Soldering conditions:	auto-soldering – max.: 3 sec ± 0,5 sec, 230° C ± 5° C

Models:	Switching functions		
MMP 121	on	on	
MMP 131	on	on on	
MMP 221	on	on	
MMP 231	on	on on	











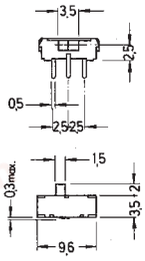
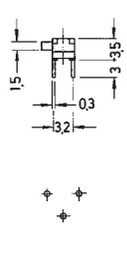
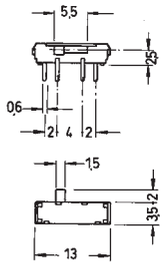
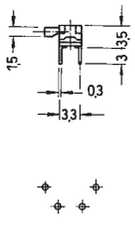
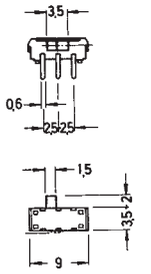
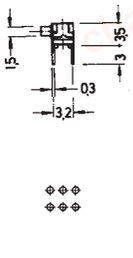
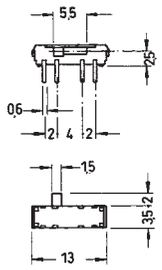
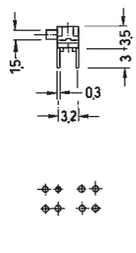
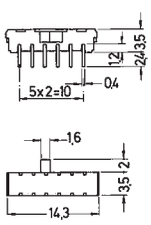
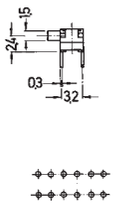






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Microminiature Slide Switches

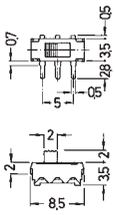
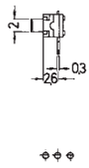
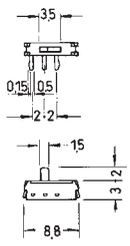
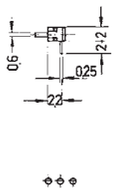
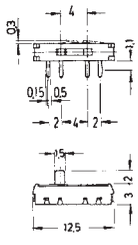
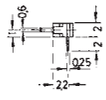
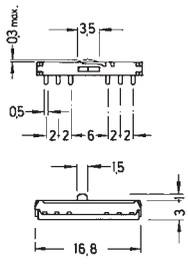
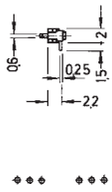
Models:	Switching functions					
MMP 121 – R	on	on				
MMP 131 – R	on	on	on			
MMP 221 – R	on	on				
MMP 231 – R	on	on	on			
MMP 421 – R	on	on				

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Microminiature Slide Switches

Specifications:

Contact rating:	12 V DC, 200 mA
Contact resistance:	< 50 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Operating temperature:	– 10° to + 60° C
Mechanical life:	minimum 5000 operations
Contacts:	phosphor bronze, silver-plated
Terminals:	brass, silver-plated
Contact timing:	non-shorting
Slide colour:	white; MMP 122 – R: black
Soldering conditions:	auto-soldering – max.: 3 sec ± 0,5 sec, 230° C ± 5° C

Models:	Switching functions					
MMP 122 – R	on	on				
MMP 124 – R	on	on				
MMP 134 – R	on	on	on				
MMP 224 – R	on	on				

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Microminiature Slide Switches for SMT

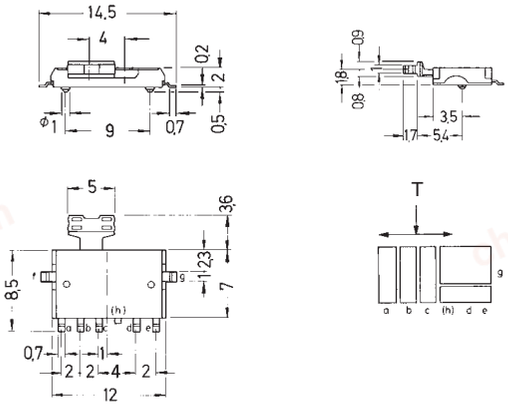
Specifications:

Contact rating:	12 V DC, 200 mA / 4 V DC, 300 mA
Contact resistance:	< 70 mΩ
Insulation resistance:	> 100 MΩ at 100 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Operating temperature:	– 10° to + 60° C
Mechanical life:	minimum 10 000 operations
Contacts:	phosphor bronze, gold-plated
Terminals:	brass, gold-plated
Contact timing:	non-shorting

Models:

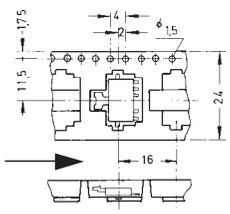
MMSP 132 on on on

with pushbutton function





Packing: 1000 pcs/reel



Ø 330 mm

Soldering conditions: reflow-soldering – max.: 60 sec, 260° C ± 2° C

Minimum quantity 1 reel

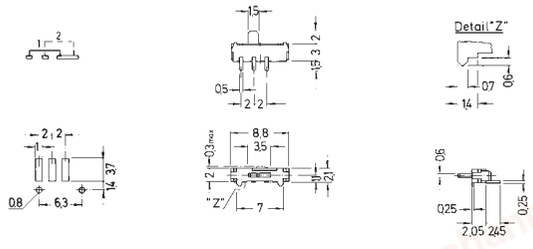
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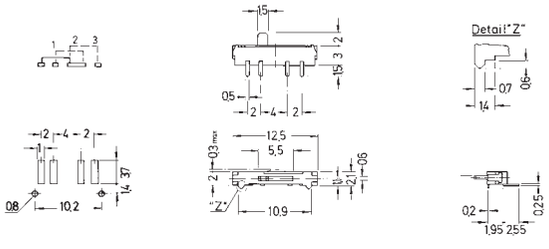
Microminiature Slide Switches for SMT

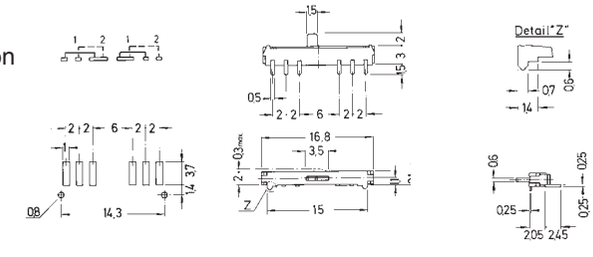
Specifications:

Contact rating:	12 V DC, 200 mA
Contact resistance:	< 50 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Operating temperature:	– 10° to + 60° C
Storage temperature:	– 20° to + 70° C
Mechanical life:	minimum 5000 operations
Contacts:	phosphor bronze, silver-plated
Terminals:	brass, silver-plated
Contact timing:	non-shorting
Slide colour:	white

Models:	Switching functions	
MMS 124	on	on
MMS 134	on	on on
MMS 224	on	on





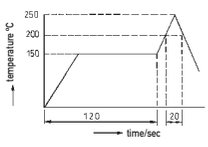








Soldering conditions: reflow-soldering – max.: 20 sec, 200° C
peak temperature: 250° C



Packing: cardboard boxes, on tapes on request

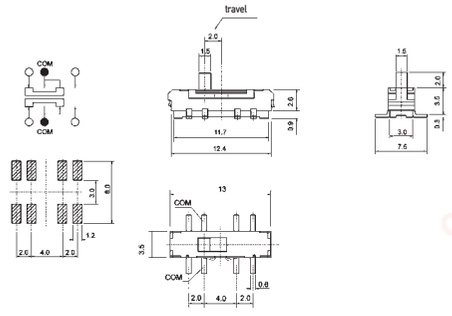
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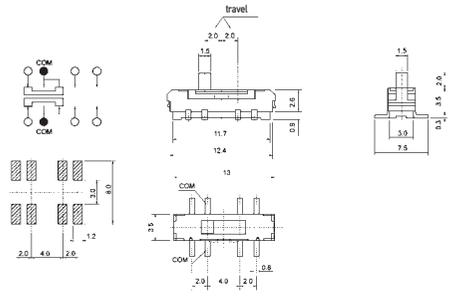
Microminiature Slide Switches for SMT

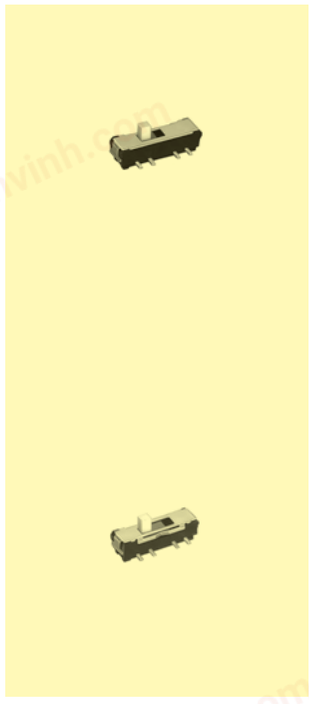
Specifications:

Contact rating:	12 V DC, 200 mA / 6 V DC, 300 mA
Contact resistance:	< 70 mΩ
Insulation resistance:	> 100 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Operating temperature:	– 10° to + 60° C
Mechanical life:	minimum 10 000 operations
Contacts/Terminals:	copper alloy, silver-plated
Contact timing:	non-shorting
Slide colour:	white

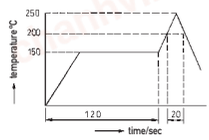
Models:	Switching functions	
MMS 228 T	on	on
MMS 238 T	on on	on

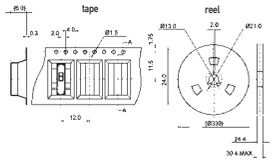






Soldering conditions:	reflow-soldering – max.: 20 sec, 200° C peak temperature: 250° C
Packing:	on tapes, 900 pieces / tape





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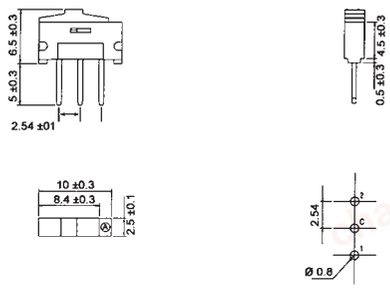
Microminiature Slide Switches

Specifications:

Contact rating:	0,2A, 24 V DC / 0,5A, 12 V DC
Contact resistance:	< 30 mΩ
Insulation resistance:	> 1000 MΩ at 500 V DC
Dielectric strength:	500 V, 50 Hz for the duration of 1 minute
Operating temperature:	– 40° to + 85° C
Mechanical life:	minimum 10 000 operations
Contacts:	phosphor bronze, gold-plated
Terminals:	brass, gold-plated
Contact timing:	non-shorting
Slide colour:	white
Soldering conditions:	auto-soldering – max.: 3 sec ± 0,5 sec, 260° C ± 5° C

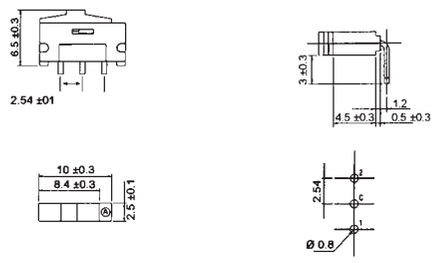
Models: Switching functions

MMP 1010 D on on





MMP 1010 D-RA on on



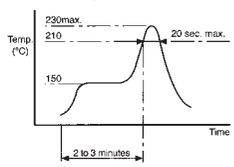


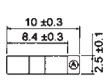
MMS 1010 D-R on on

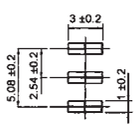




Soldering profile MMS 1010 D-R







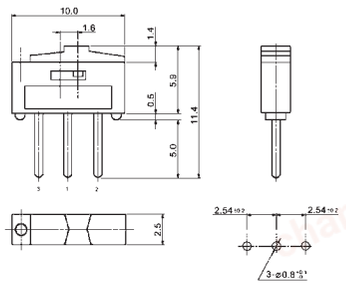
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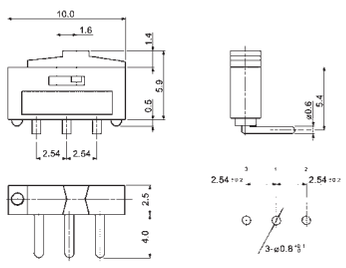
Microminiature Slide Switches

Specifications:

Contact rating:	24 V AC/DC, 0,3A / 12 V AC/DC, 0,5A
Contact resistance:	< 50 mΩ
Insulation resistance:	> 500 MΩ at 500 V DC
Dielectric strength:	500 V for the duration of 1 minute
Operating temperature:	– 25° to + 80° C
Mechanical life:	minimum 10 000 operations
Contacts:	brass, gold-plated
Terminals	brass, gold-plated
Case:	PA
Soldering conditions:	auto-soldering – max.: 5 sec ± 0,5 sec, 270° C ± 5° C

Models	Switching functions		
MMP 1010 D – 1	on	on	
MMP 1010 D-RA – 1	on	on	









4