MICON 5, SMT low, 5.5 ± 1.1 N, 1 NO

LBL_NRFND



Description

MICON 5 tactile switches offer extreme switching reliability, with a very small space requirement. They can be arranged individually, in rows or as key blocks. For use beneath overlays, we recommend combining the MICON 5 tactile switches with plungers. Here are the properties at a glance:

- Suitable for the most important soldering techniques
- Soldering bath for THT versions
- Reflow soldering for SMT versions
- Vapor phase soldering for SMT versions
- Manual soldering
- Processing of the SMT design with SMT automatic assembly machines
- IMDS entry

MICON 5, SMT low with a height of only 3.45 mm Processing information: Special pipette (Siemens Siplace order no. 348514-02) Mounting with revolver head. Suggestion for stencil printing: 150 µm stencil with 10% pad reduction on surface

CE

technical data

general

Operating temperature, min.	-40 °C
Operating temperature, max.	90 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	90 °C
illuminated	No
Soldering	Reflow
Solder heat resistance according to standard	DIN EN 60068-2-58 DIN EN 61760-1
Packaging	Blister
Packaging unit	2,100 pcs.
Net weight	0.3 g
Operating life	1,000,000 cycles
B10	1,300,000 cycles
MSL Moisture Sensitivity Level	1
Shock resistance according to standard IEC 60068-2-27	100 g at 6 ms amplitude semi-sinusoidal
Oscillation restistance according to standard IEC 60068-2-6	5 g at 10...500 Hz
Minimum order quantity (MOQ)	2,100 pcs.
RoHS compliant	Yes
REACH compliant	Yes
Product code	L

direct links

- RAFI eCatalog

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Ravensburger Str. 128-134
88276 Berg / Ravensburg
Germany
www.rafi-group.com,
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Country of origin	DE
mounting diameters	
Outside dimension, length	6.4 ± 0.1 mm
Outside dimension, width	5.1 ± 0.1 mm
Installation height	3.45 ± 0.1 mm
Grid, min.	6 x 7.8 mm
mechanical data	
Terminal on the rear	SMT
Actuation function	momentary contact function
Operating force, max.	8 N
Operating force, min.	5.5 ± 1.1 N
Contact function	1 NO
Contact system	Snap-action contact SPST - Single Pole Single Throw
Contact material	Gold
Solderability	Yes
Switching travel	0.7 ± 0.15 mm
electrical data	
Rated voltage, min.	0.02 V
Rated voltage, max.	35 V
Dielectric strength	250 V
Rated current, min.	0.00001 A
Rated current, max.	0.1 A
Rated power, max.	1 W

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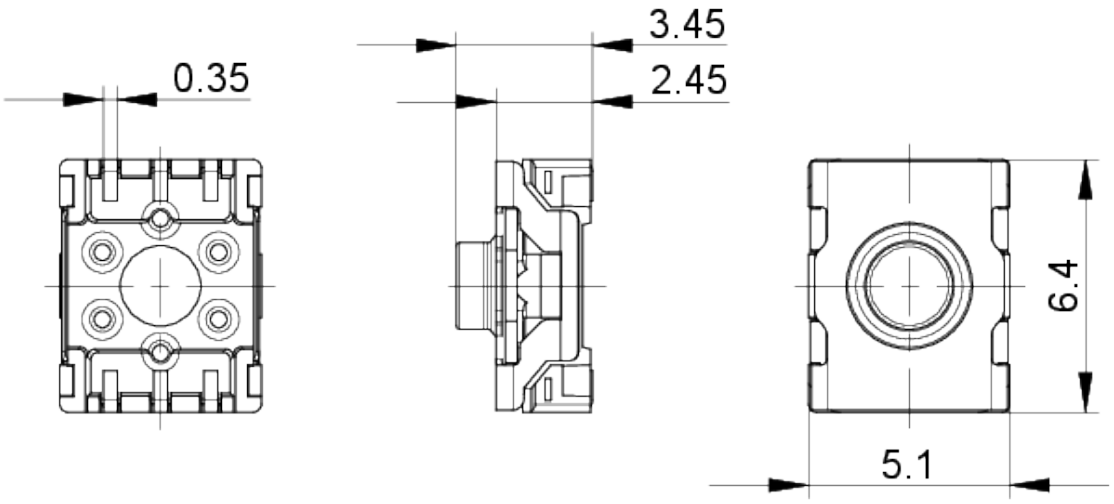
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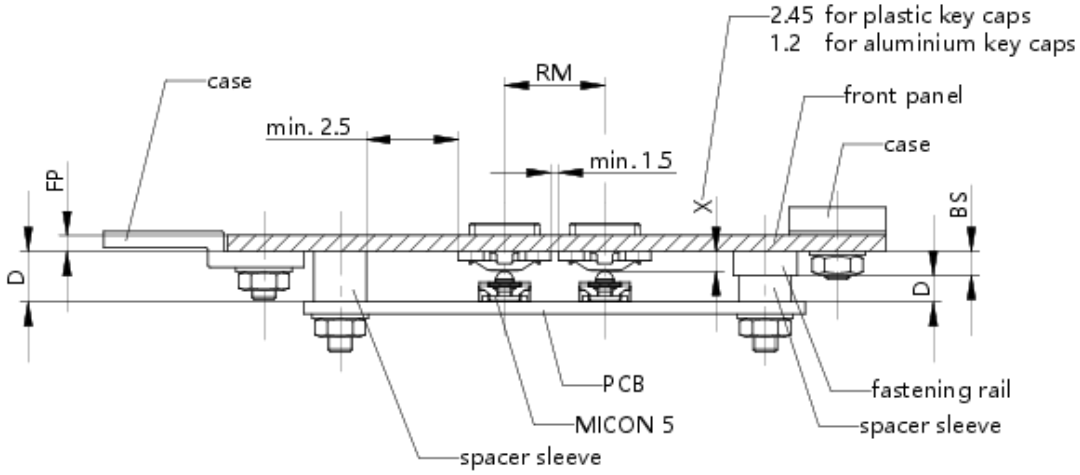
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drawings

Dimensioned drawing



System drawing



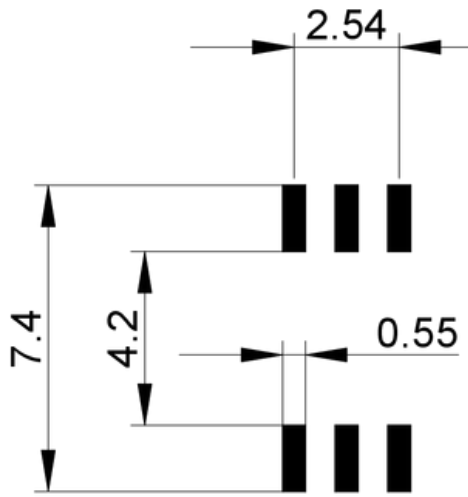
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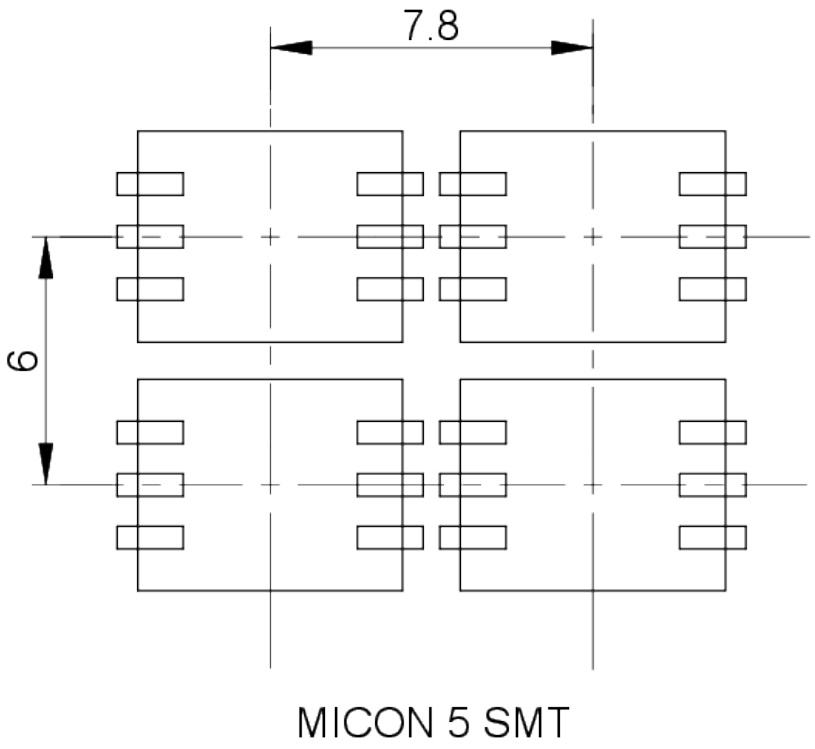
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PCB drawing



PCB drawing



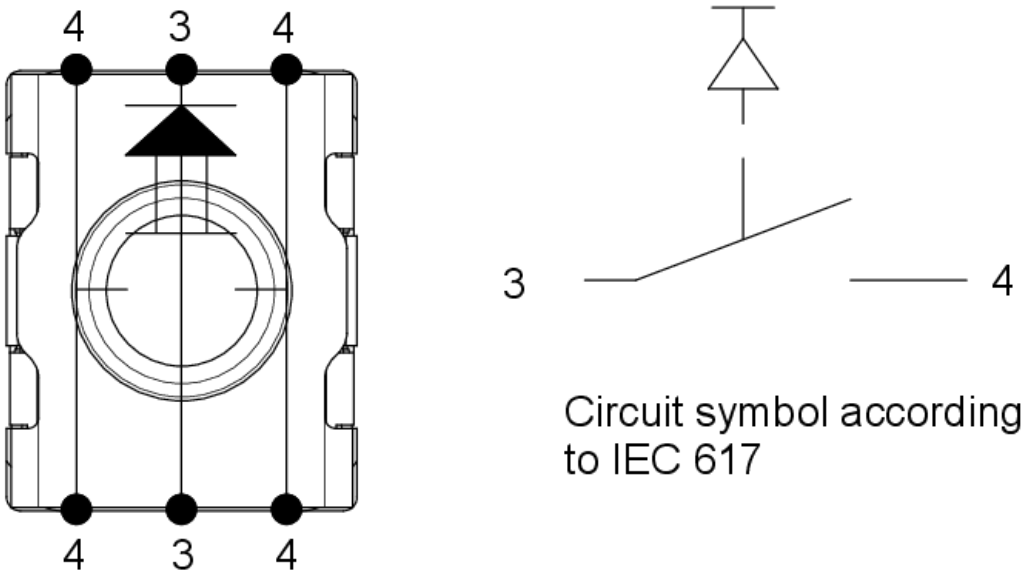
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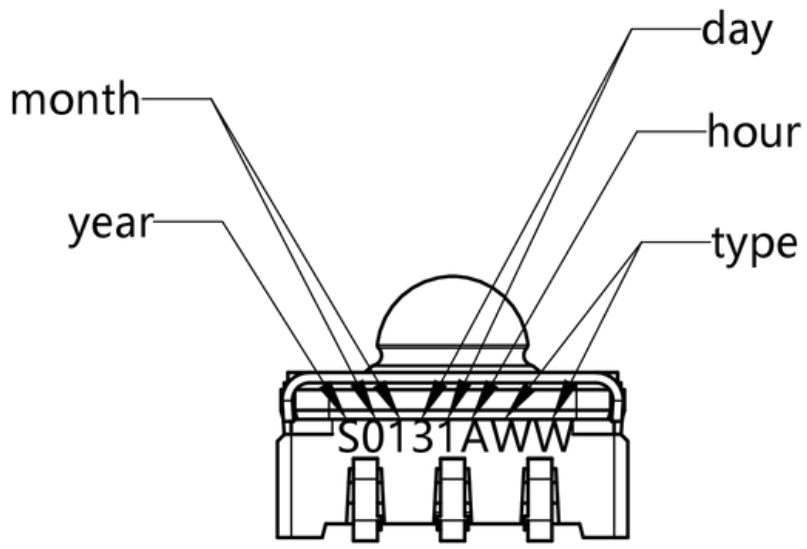
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Schematic diagram



Product labeling drawing



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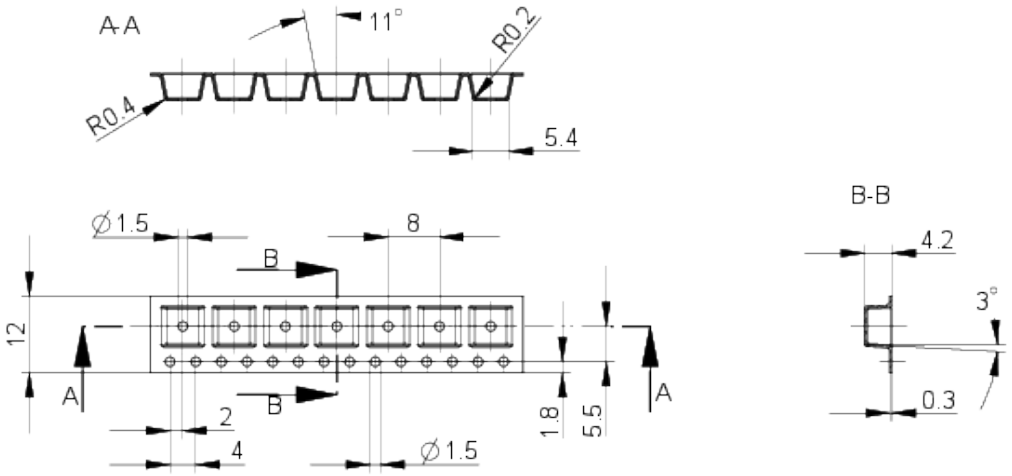
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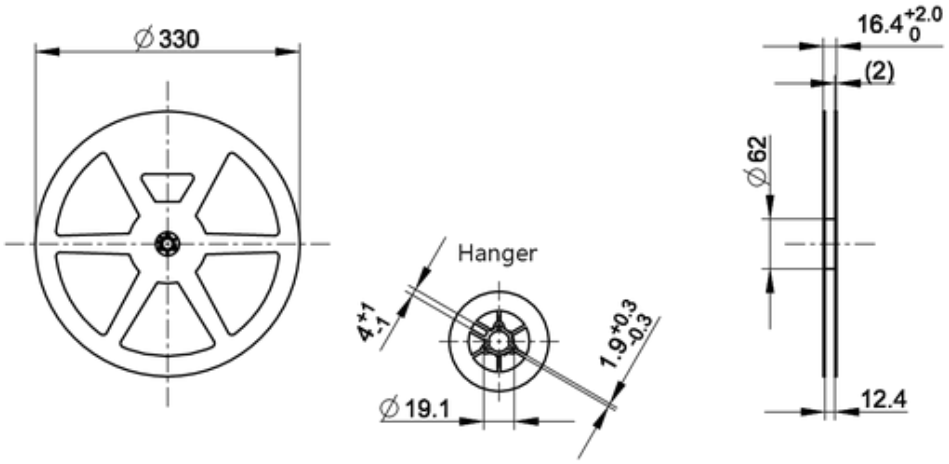
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Packaging drawing



Packaging drawing



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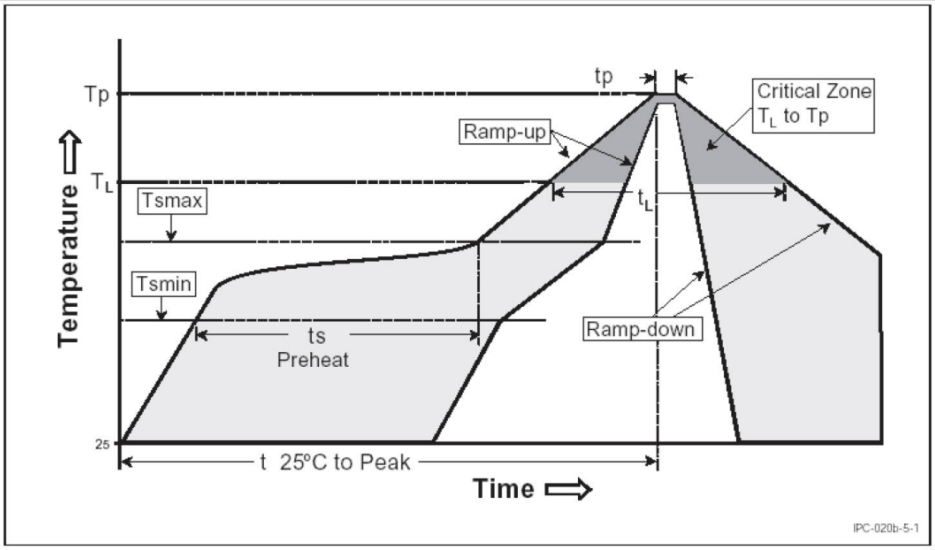
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88276 Berg / Ravensburg
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mounting

RAFI soldering profile for ROHS compliant reflow components

Publication date: October 7, 2021



Parameter	RAFI values
Gradient (T_L to T_P)	max. 3°C / s
Preheating zone Minimum temperature (T_{smin}) Maximum temperature (T_{smax}) Time (from min. to max.) (ts)	 150°C 200°C 60 - 120 s
Gradient (T_{smax} to T_L)	max. 3°C / s
Time over melting temperature (T_L) time (t_L)	 217°C 60 – 150 s
Peak temperature (T_P)	max. 260°C (+0°C)
Time within peak temperature – 5°C (tp)	20-40 s
Gradient ramp down	max. 6°C / s
Time difference from 25°C to peak temperature	max. 8 minutes

The reflow soldering profile is based on the definition of Jedec J-STD-020D.

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