Standex MEDER ELECTRONICS

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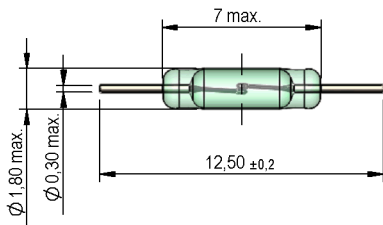
Item No.:
9233801015
Item:
MK23-80-B-1

Dimensions mm[inch]
tolerances according to DIN ISO 2768-m
Toleranzen gem. DIN ISO 2768-m

7 max.

12,50 ±0,2

Ø 1,80 max.
Ø 0,30 max.

Isometric
Scale2:1
Maßstab 2:1
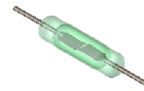
Recommended PCB Pad Layout
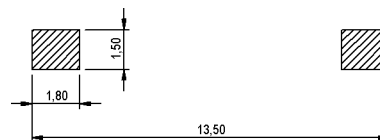
1,50
1,80
13,50

Solder Reflow Profile
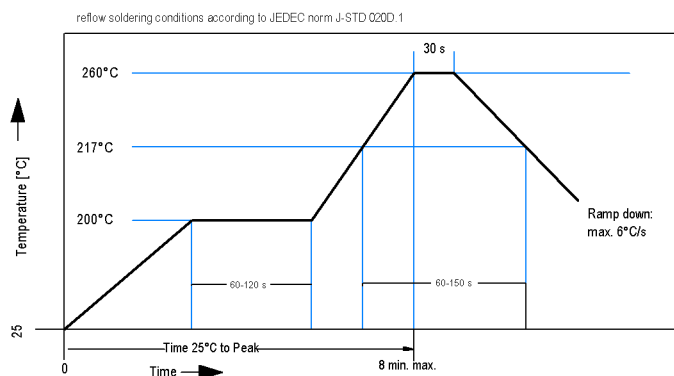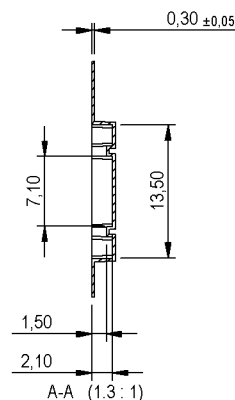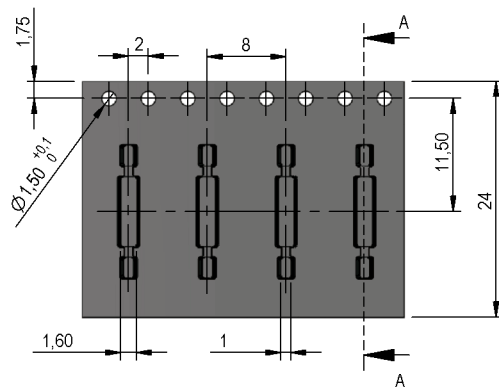
reflow soldering conditions according to JEDEC norm J-STD 020D.1

Temperature [°C]

260°C
217°C
200°C
25

30 s

Ramp down:
max. 6°C/s

60-120 s
60-150 s

Time 25°C to Peak
8 min. max.

0   Time

Packaging
(4001350017)

1,75
2
8
A

Ø 1,50 $^{+0,1}_{0}$

11,50
24

1,60
1
A

A-A (1.3 : 1)

0,30 ±0,05

7,10
13,50

1,50
2,10

Modifications in the sense of technical progress are reserved

Designed at: 06.04.09 Designed by: AKELLER   Approval at: 16.04.09 Approval by: RKAMP
Last Change at: 16.07.14 Last Change by: WKOVACS   Approval at: 16.07.14 Approval by: AWEBER   **Version:** 03

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Item:

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Magnetic properties	Conditions	Min	Typ	Max	Unit
Pull-In excitation (modified contact)	Reed switch modified phys. conditioned tolerance of +/- 1 AT	17		29	AT
Test-Coil	Reed switch modified		KMS-22		
Pull-In in milliTesla (modified conta	MS150 - phys. caused tolerance +/- 0,1mT	1,7		2,1	mT

Contact data 80	Conditions	Min	Typ	Max	Unit
Contact-No.			80		
Contact-form			A		
Contact-material			Rhodium		
Contact-rating	Any DC combination of V & A not to exceed their individual max.'s			10	W
Switching voltage	DC or Peak AC			170	V
Switching current	DC or Peak AC			0,5	A
Carry current	DC or Peak AC			0,5	A
Contact resistance static	Measured with 40% overdrive Start Value			200	mOhm
Contact resistance dynamic	Maximum value 1,5 ms after excitation Start Value			250	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			GOhm
Breakdown voltage	according to IEC 255-5	150			VDC
Operate time incl. bounce	measured with 40% overdrive			0,6	ms
Release time	measured with no coil excitation			0,1	ms
Capacity			0,2		pF

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine wave duration 11ms			30	g
Vibration	from 10 - 2000 Hz			20	g
Ambient temperature		-40		130	°C
Storage temperature		-55		130	°C
Soldering temperature	wave soldering max. 5 sec.			260	°C

General data	Conditions	Min	Typ	Max	Unit
Packaging			Tape & Reel 2500 pcs.		