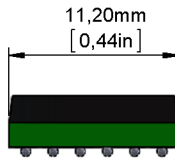
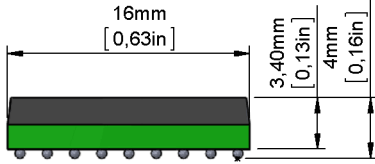
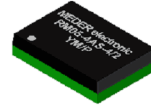


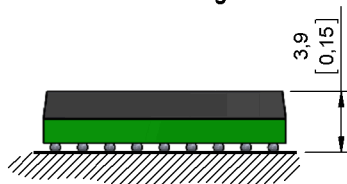
Dimensions mm[inch]
 tolerances acc. to DIN ISO 2768-m
 Toleranzen gem. DIN ISO 2768-m



Isometric
 Scale 1:1
 Maßstab 1:1

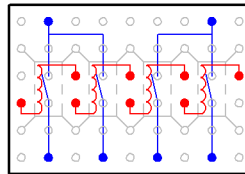


Post reflow height



Layout

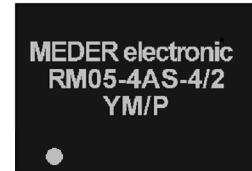
Top view
 Draufsicht



red dots = coil pins
 blue dots = switch pins
 grey dots = shield pins (all grey pins interconnected)

Marking

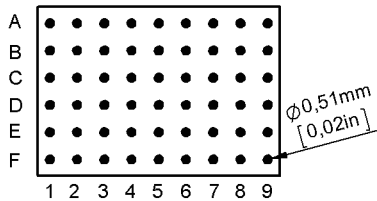
according to EN60062/factory code
 gem. EN60062/Fertigungsstätte



Recommended PCB Pad Layout

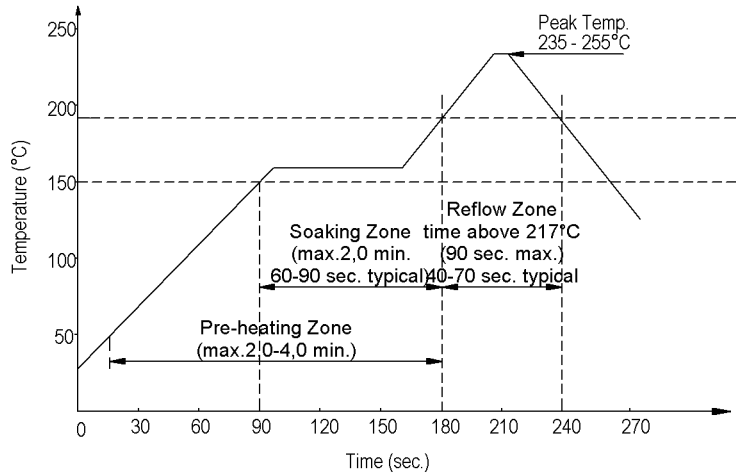
Top view / Draufsicht

Grid Spacing is 1.8mm on center



Recommended lead free reflow profile

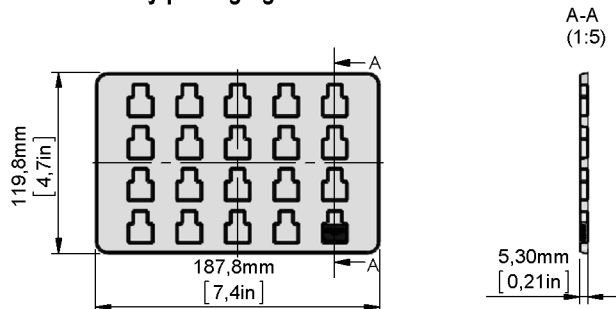
typical reflow profile for RM series for usage with
 Sn96,5 Ag3 Cu0,5



HF - Parameter

See webpage www.meder.com or ask your responsible Customer Service
 Einzusehen unter www.meder.com oder kontaktieren Sie den verantwortlichen Vertriebsmitarbeiter

Relay packaging orientation





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Item No.:
9605480120
 Item:
RM05-4AS-4/2

Coil Data at 20 °C	Conditions	Min	Typ	Max	Unit
Coil resistance		166,5	185	203,5	Ohm
Coil voltage			5		VDC
Rated power			135		mW
Pull-In voltage				3,75	VDC
Drop-Out voltage		0,5			VDC

RF Characteristics	Conditions	Min	Typ	Max	Unit
S-Parameters		Available upon request			

Contact data 80/1	Conditions	Min	Typ	Max	Unit
Contact-No.		80/1			
Contact-form		A			
Contact-material		Iridium			
Contact rating	Any DC combination of V & A			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			200	mOhm
Insulation resistance	RH <45 %, 100 V test voltage	1			GOhm
Breakdown voltage	according to EN 60255-5	210			VDC
Operate time incl. bounce	measured with 40% overdrive		0,1		ms
Release	measured with no coil excitation		0,02		ms
Capacity	@ 10 kHz across open switch		0,1		pF

Special Product Data	Conditions	Min	Typ	Max	Unit
Number of contacts		4			
Contact - form		A - NO			
Dielectric Strength Coil/Contact	according to EN 60255-5	1,5			kV DC
Insulation resistance Coil/Contact	RH <45%, 200 VDC measuring voltage	10	100		TOhm
Capacity Coil/Contact	@ 10 kHz		0,7		pF
Case color		black			
Housing material		Thermoset molding compound			
Material connection pads		BGA solderballs D=0,025 inches			
Magnetic Shield		yes			
Reach / RoHS conformity		yes			

Environmental data	Conditions	Min	Typ	Max	Unit
Shock	1/2 sine, duration 11ms, in 3 axis			50	g
Vibration	from 10 - 2000 Hz			20	g
Operating temperature		-40		85	°C
Storage temperature		-55		125	°C
Soldering Temperature Tsold	Reflow according IPC/JEDEC J-STD-020D.1			260	°C
Washability		fully sealed			

General data	Conditions	Min	Typ	Max	Unit
Packaging		4 x 5 Blister packaged			

Modifications in the sense of technical progress are reserved

Designed at: 06.10.11 Designed by: CRUF
 Last Change at: 19.05.15 Last Change by: WKOVACS

Approval at: 12.12.11 Approval by: CRUF
 Approval at: 19.06.15 Approval by: DSTASTNY

Version: 06