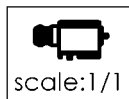
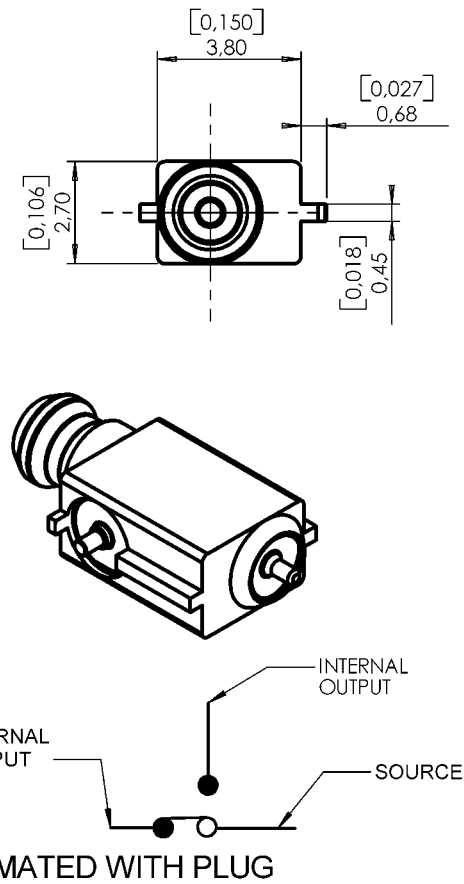
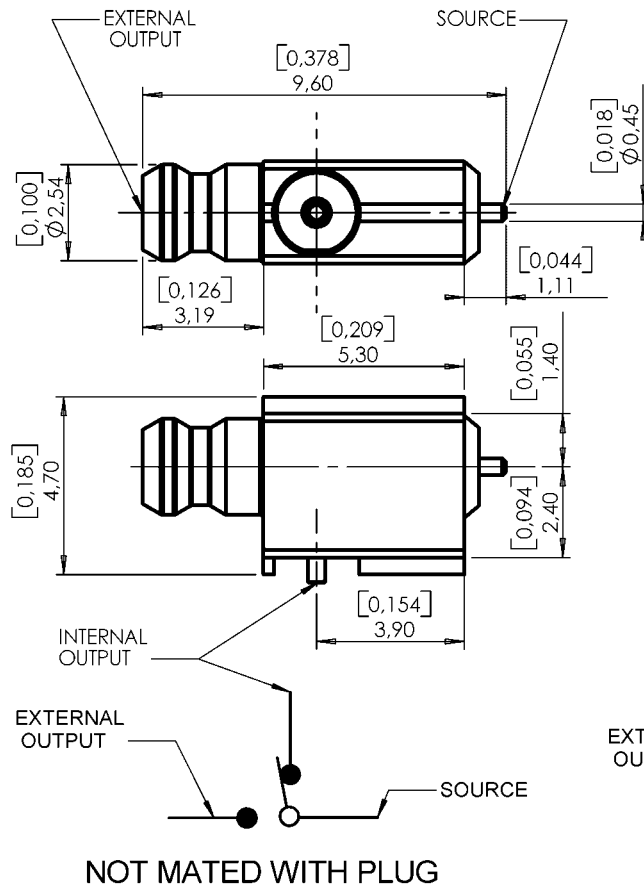


EDGE CARD SWITCH
PACKAGING BY REEL OF 100

R199.006.813

Series : MOEBIUS



All dimensions are in mm/[inch]



COMPONENTS	MATERIALS	PLATING (μm)
BODY	BRASS	NPGR
CENTER CONTACT	BRASS	NPGR
OUTER CONTACT	BRASS	NPGR
INSULATOR	-PEEK	
GASKET	-	
OTHERS PARTS	-NC	
-	-	-
-	-	-

Issue : 0717 A

In the effort to improve our products, we reserve the right to make changes judged to be necessary.



EDGE CARD SWITCH
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R199.006.813

Series : MOEBIUS

PACKAGING

Standard	Unit	Other
100	'W' option	Contact us

SPECIFICATION**ELECTRICAL CHARACTERISTICS**

Impedance	50	Ω
Frequency	0-6	GHz
VSWR (not mated)	1.2+0.05	x F(GHz) Maxi
VSWR (mated with plug)	1.05+0.05	x F(GHz) Maxi

*Insertion loss DC to 2 Ghz	0.15	dB Maxi
*Insertion loss 2 to 3 Ghz	0.2	dB Maxi
*Insertion loss 3 to 6 Ghz	0.5	dB Maxi
* not mated with PCB		

**Isolation loss DC to 1Ghz	30	dB min
**Isolation loss 1 to 3Ghz	20	dB min
**Isolation loss 3 to 6Ghz	20	dB min
** mated with plug		

Voltage rating	100	Veff Maxi
Dielectric withstanding voltage	250	Veff mini
Insulation resistance	3000	M Ω mini

ENVIRONMENTAL

Operating temperature	-40/+110	$^{\circ}$ C
Hermetic seal		Atm.cm3/s
Panel leakage		

OTHER CHARACTERISTICS

Assembly instruction

Others :
Vibration no electrical discontinuity of 10 μ s or more
Condition test : 10 to 500 Hz , single amplitude of 1.5 mm , speed of 10 g , 2 hours in each of the 3 axis

MECHANICAL CHARACTERISTICS

Mating life	25000	Cycles
Weight	0,37000.	g

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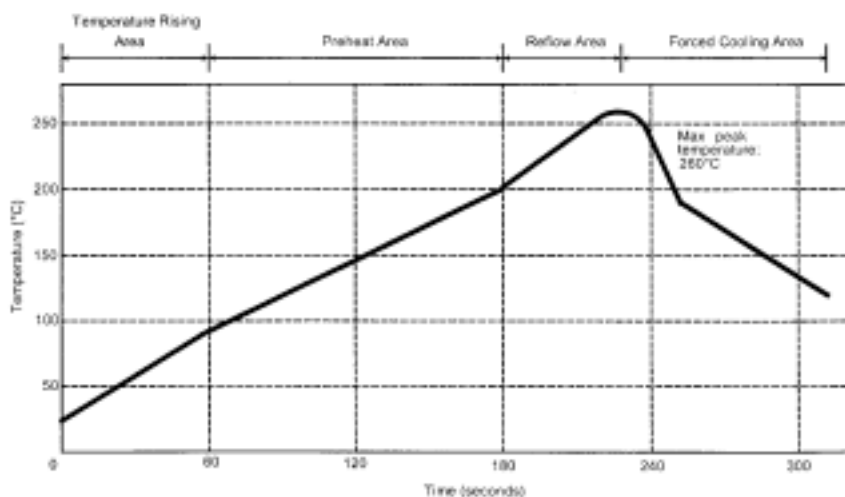
EDGE CARD SWITCH
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SOLDER PROCEDURE

1. Deposition of solder paste 'Sn Ag4 Cu0.5' on mounting zone by screen printing application. We recommend a low residue flux.
We advise a thickness of 150 microns mini (0.006 inch mini). Verify that the edges of the zone are clean.
2. Placement of the receptacle on the mounting zone with an automatic machine of 'pick and place' type.
Video camera is recommended for the positioning of the component. Adhesive agents must not be used on the receptacle.
3. Soldering by infra-red reflow.
Below, please find the typical profile to use.
4. Cleaning of printed circuit boards.
5. Checking of solder joints and position of the component by visual inspection.

TEMPERATURE PROFILE

Parameter	Value	Unit
Temperature rising Area	1 - 4	°C/sec
Max Peak Temperature	260	°C
Max dwell time @260°C	10	sec
Min dwell time @235°C	20	sec
Max dwell time @235°C	60	sec
Temperature drop in cooling Area	-1 to - 4	°C/sec
Max dwell time above 100°C	420	sec

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Series : **MOEBIUS**

Technical drawing of a PCB layout showing dimensions and labels. The drawing includes a central white area labeled "GROUND" and a surrounding orange area labeled "MAIN Strip". Dimensions are provided in brackets, and some are in italics. The drawing also includes a note about the ground layer and PCB material.

Dimensions (in brackets):

- Top left: $[0,024]$ (hole diameter), $\varnothing 0,60$ (hole diameter), $[0,059]$ (hole diameter), $1,50$ (hole diameter)
- Top center: $[0,228]$ (hole diameter), $5,80$ (hole diameter)
- Top right: $[0,085]$ (hole diameter), $2,15$ (hole diameter), $[0,041]$ (hole diameter), $1,05$ (hole diameter)
- Bottom left: $[0,156]$ (hole diameter), $3,95$ (hole diameter)
- Bottom center: $[0,085]$ (hole diameter), $2,15$ (hole diameter), $[0,041]$ (hole diameter), $1,05$ (hole diameter)
- Bottom right: $[0,012]$ (hole diameter), $R0,30$ (hole diameter)
- Right side: $[0,098]$ (hole diameter)
- Bottom: $[0,169]$ (hole diameter), $4,30$ (hole diameter)

Labels:

- GROUND
- MAIN Strip

Note:

the ground is on the bottom of PCB
 Thickness of PCB 0.508 mm
 material: RO4350 (Er=3.48)
 copper layer = 0.017mm


RADIALL®

EDGE CARD SWITCH
PACKAGING BY REEL OF 100

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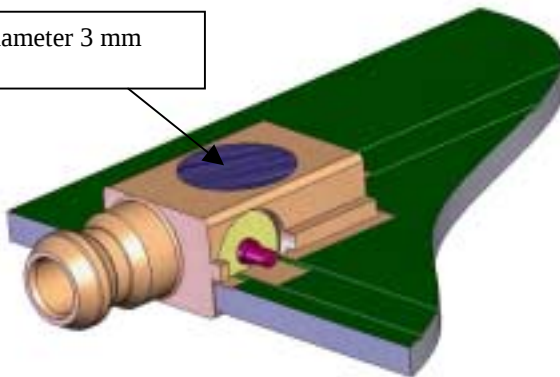
PACKAGING by reel



100 pieces by reel full package on reel (dia 180 mm 7.08 inch) , weight of on reel =0.2 Kg



Suction area diameter 3 mm
0.118 inch

**Issue : 0717 A**

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