

This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary



18 GHz SMA LATCHING S.P.10T. SWITCH

Page
1 / 2

OPTIONS :

RF CHARACTERISTICS

NUMBER OF WAYS : 10
FREQUENCY RANGE : 0 - 18 GHz
IMPEDANCE : 50 Ohms

FREQUENCY (GHz)	0 - 3	3 - 8	8 -12.4	12.4-15.5	15.5- 18
V.S.W.R <=	1.20	1.30	1.40	1.50	1.70
INSERT. LOSS <=	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
ISOLATION >=	80 dB	70 dB	60 dB	60 dB	55 dB
AVER. POWER (*)	240 W	150 W	120 W	110 W	100 W

ELECTRICAL CHARACTERISTICS

ACTUATOR : LATCHING
NOMINAL CURRENT AT 25°C (±10%) : 320 mA / RESET : 3200 mA (**)
ACTUATOR VOLTAGE (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
TERMINALS : solder pins (250 deg.C max./30 sec.)

MECHANICAL CHARACTERISTICS

CONNECTORS : SMA female per MIL-C 39012
LIFE : 2.000.000 cycles per position
SWITCHING TIME (nominal voltage;25°C) : < 15 ms
CONSTRUCTION : splashproof
WEIGHT : < 360 g

ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMPERATURE RANGE (°C) : -40 , +85
STORAGE TEMPERATURE RANGE (°C) : -55 , +85

(* : average power at 25°C per RF path)
(** RESET : supply voltage time 1sec. max./duty cycle 10%)

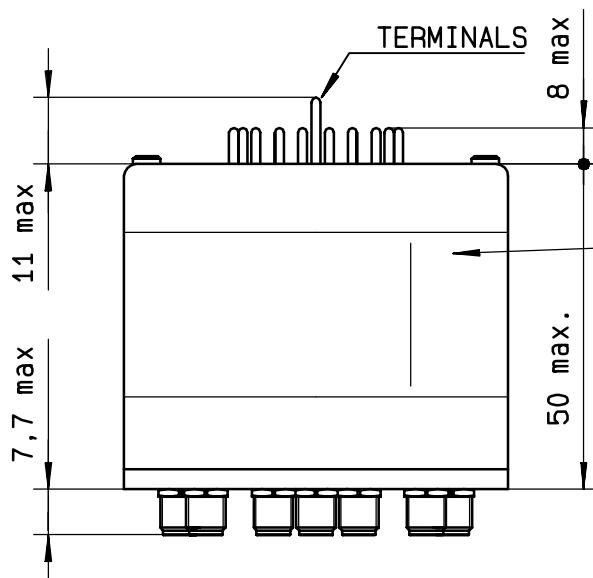
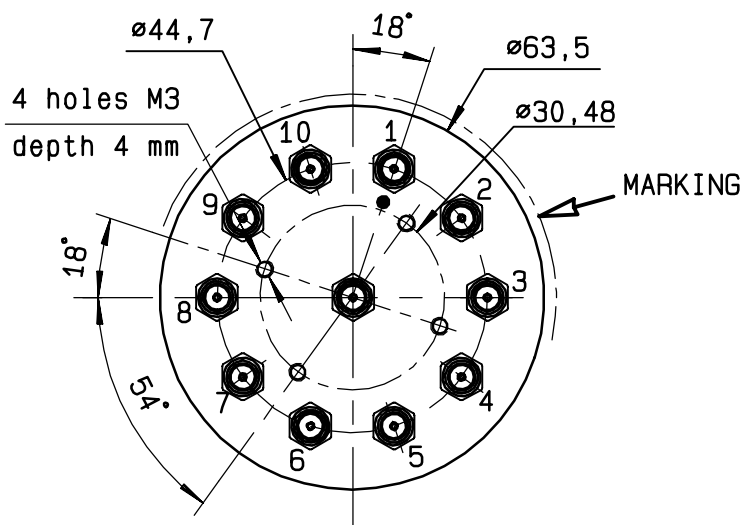
This information is given as an indication. In the continual goal to improve our products, we reserve the right to make any modifications judged necessary

DRAWING

General tolerance: ± 0,5 mm

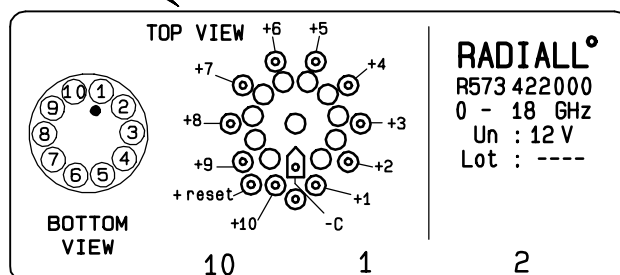
R573 422.000

Page
2/2



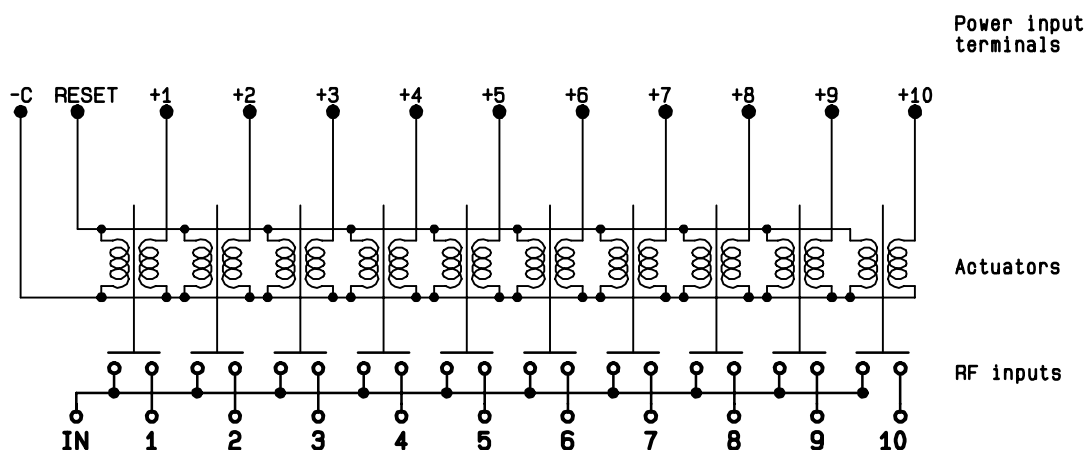
Voltage	RF continuity
-C +RESET	All ports open
-C +1	IN ↔ 1
-C +2	IN ↔ 2
-C +3	IN ↔ 3
-C +4	IN ↔ 4
-C +5	IN ↔ 5
-C +6	IN ↔ 6
-C +7	IN ↔ 7
-C +8	IN ↔ 8
-C +9	IN ↔ 9
-C +10	IN ↔ 10

MARKING TOP VIEW (TERMINALS)



RADIALl[®]
R573 422000
0 - 18 GHz
Un : 12 V
Lot : ----

SCHEMATIC DIAGRAM



ISSUE 22.Jan.08

4113-9212