Technical Data Sheet



SP12T Ramses SMA 12.4GHz Latching Self-cut-off Auto-reset 12Vdc Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573482200

RF CHARACTERISTICS

Number of ways : 12

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.40	1.60
Insertion loss max	0.20 dB	0.40 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	240 W	150 W	120 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 1280 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

Self cut-off time : 40 ms < CT < 120 ms

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position

Switching Time*** : < 50 msConstruction : Splashproof
Weight : < 400 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -40°C to +85°C Storage temperature range : -55°C to +85°C

(* Average power at 25°C per RF Path)

** At 25° C ±10%)

(*** Nominal voltage; 25° C)

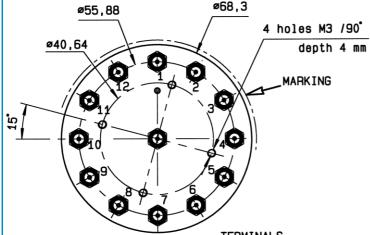


Technical Data Sheet

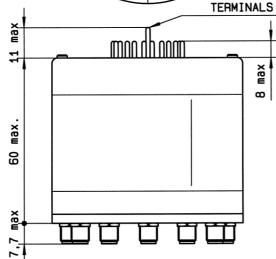


SP12T Ramses SMA 12.4GHz Latching Self-cut-off Auto-reset 12Vdc **Diodes Pins Terminals**





Voltage	RF Continuity	
-C +1	IN ↔ 1	
-C +2	$IN \leftrightarrow 2$	
-C +3	$IN \leftrightarrow 3$	
-C +4	$IN \leftrightarrow 4$	
-C +5	$IN \leftrightarrow 5$	
-C +6	IN ↔ 6	
-C +7	$IN \leftrightarrow 7$	
-C +8	IN ↔ 8	
-C +9	IN ↔ 9	
-C +10	IN ↔ 10	
-C +11	IN ↔ 11	
-C +12	IN ↔ 12	



TOP VIEW **RADIALL®** R573482200 0 - 12.4 GHz Un: 12V

LABEL

воттом

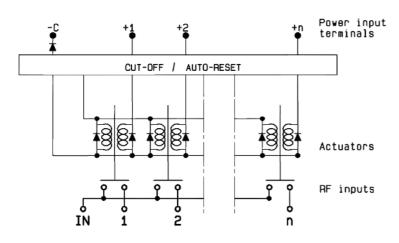
Lot : _ _ _

2



General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.