Technical Data Sheet



SP6T Terminated Ramses SMA 18GHz Latching 12Vdc Positive common

D-sub connector

PAGE 1/2 ISSUE 26-01-17 SERIE : SPnT PART NUMBER : R574422615

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 320 mA / RESET : 1920 mA ****

Actuator voltage (Vcc) : 12V (10.2 to 13V) / POSITIVE COMMON

Terminals : 25 pins D-SUB male connector

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 250 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)

(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)



Technical Data Sheet

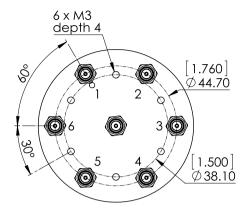


SP6T Terminated Ramses SMA 18GHz Latching 12Vdc Positive common

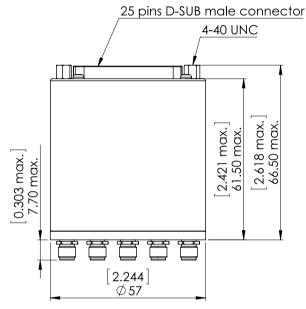
D-sub connector

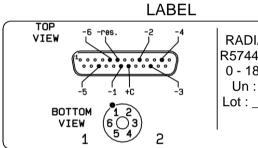
PAGE **2/2** ISSUE 26-01-17 SERIE: SPnT PART NUMBER: **R574422615**

DRAWING



Voltage	RF Continuity	
+C -RESET	All ports open	
+C -1	$IN \leftrightarrow 1$	
+C -2	$IN \leftrightarrow 2$	
+C -3	IN ↔ 3	
+C -4	$IN \leftrightarrow 4$	
+C -5	IN ↔ 5	
+C -6	$IN \leftrightarrow 6$	

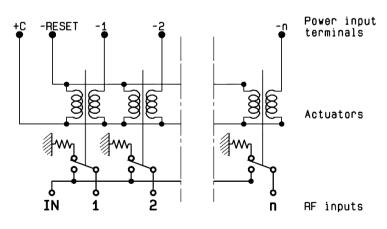




RADIALL® R574422615 0 - 18 GHz Un: 12V Lot : _ _ _ _

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.