Technical Data Sheet



SP4T Terminated Ramses SMA2.9 40GHz Normally open 12Vdc Diodes

D-sub connector

PAGE 1/2 ISSUE 12-09-22 SERIE : SPnT PART NUMBER : R574802435

RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1,30	1,40	1,50	1,70	2,20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W

TERMINATION IMPEDANCE : 50 Ohms

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

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

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

Terminals : 25 pins D-SUB male connector

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 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)



Technical Data Sheet

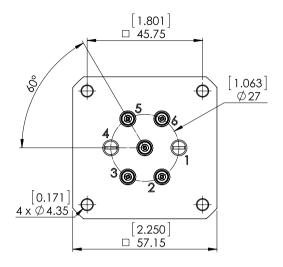


SP4T Terminated Ramses SMA2.9 40GHz Normally open 12Vdc Diodes

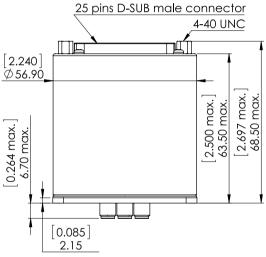
D-sub connector

PAGE **2/2** ISSUE 12-09-22 SERIE: SPnT PART NUMBER: **R574802435**

DRAWING



Voltage	RF Continuity		
-C +2	$IN \leftrightarrow 2$		
-C +3	$IN \leftrightarrow 3$		
-C +5	$IN \leftrightarrow 5$		
-C +6	$IN \leftrightarrow 6$		

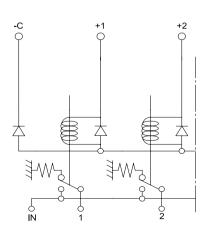


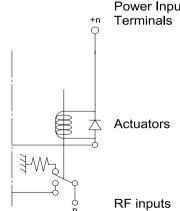
General tolerances: ±0,5 mm [0,02 in]

LABEL /+6 **RADIALL®** 1000000000000000 R574802435 00,000,00000 0 - 40 GHz Un: 12V Lot : _ _ _ _ BOTTOM VIEW 5 6



SCHEMATIC DIAGRAM





Power Input

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.