# **Technical Data Sheet**



SP4T Terminated Ramses SMA 18GHz Latching Indicators 12Vdc
Positive common Diodes D-sub connector

PAGE 1/2 ISSUE 10-07-19 SERIE : SPnT PART NUMBER : R574432445

## RF CHARACTERISTICS

Number of ways : 4

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 : 1280 mA \*\*\*\*

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

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

# MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 15 ms

Construction : 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%)



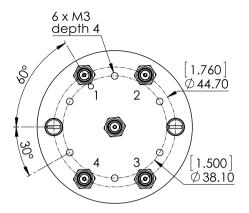




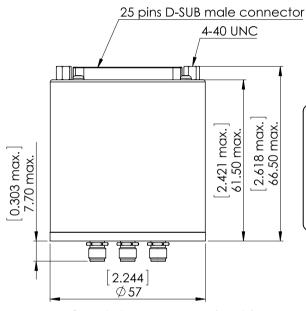
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PAGE 2/2 ISSUE 10-07-19 SERIE : SPnT PART NUMBER : R574432445

## **DRAWING**



Voltage	RF Continuity	Ind.
+C -RESET	All ports open	
+C -1	IN ↔ 1	D.E
+C -2	$IN \leftrightarrow 2$	D.F
+C -3	$IN \leftrightarrow 3$	D.G
+C -4	$IN \leftrightarrow 4$	D.H

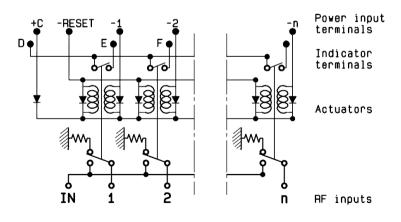


# TOP -res D F -2 G -3 RADIALL® R574432445 0 - 18 GHz Un : 12V Lot : \_ \_ \_ \_ \_ 1 1 2



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

# SCHEMATIC DIAGRAM



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