## **Technical Data Sheet**



SP5T Terminated Ramses SMA 18GHz Normally open Indicators 12Vdc

TTL Drive D-sub connector

PAGE 1/2 ISSUE 26-10-15 SERIE : SPnT PART NUMBER : R574412525

#### RF CHARACTERISTICS

Number of ways : 5

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 : NORMALLY OPEN

Nominal current \*\* : 250 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

TTL inputs (E) - High level : 2.2 to 5.5 V / 800 $\mu$ A at 5.5 V

- Low level : 0 to 0.8 V / 20µA at 0.8 V

### MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 2.000.000 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)



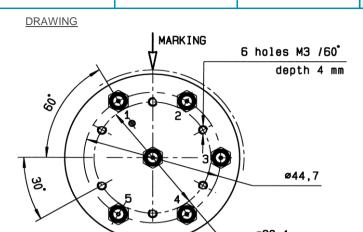
# **Technical Data Sheet**



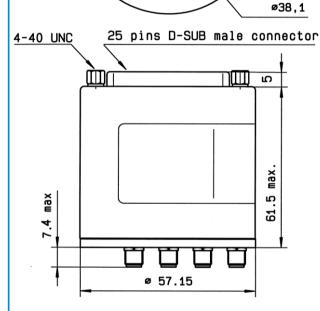
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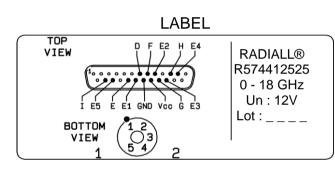
SP5T Terminated Ramses SMA 18GHz Normally open Indicators 12Vdc TTL Drive D-sub connector

ISSUE **26-10-15** SERIE : **SPnT** PART NUMBER : **R574412525** 



TTL input	RF Continuity	Ind.
E1 = 1	$IN \leftrightarrow 1$	D.E
E2 = 1	$IN \leftrightarrow 2$	D.F
E3 = 1	$IN \leftrightarrow 3$	D.G
E4 = 1	$IN \leftrightarrow 4$	D.H
E5 = 1	$IN \leftrightarrow 5$	D.I

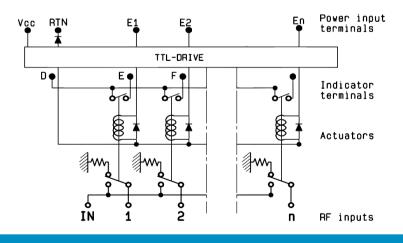






General tolerances: ±0.5 mm

### SCHEMATIC DIAGRAM



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