# **Technical Data Sheet**



SP4T Terminated Ramses SMA 18GHz Latching Indicators 12Vdc
TTL Diodes Pins Terminals

SERIE : SPnT PART NUMBER : R574432420

#### RF CHARACTERISTICS

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Number of ways : 4

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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)

Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

TTL inputs (E) - High level : **2.2 to 5.5 V / 800μA at 5.5 V** 

- Low level : 0 to 0.8 V / 20 $\mu$ A at 0.8 V

## MECHANICAL CHARACTERISTICS

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

## **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 **22-03-22** SERIE: SPnT PART NUMBER: **R574432420 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 ŝ TTL input RF Continuity Ind. RESET = 1 All ports open  $IN \leftrightarrow 1$ D.E E1 = 1D.F  $IN \leftrightarrow 2$ E2 = 1E3 = 1IN ↔ 3 D.G [ 1.760 ]  $\text{IN} \leftrightarrow 4$ E4 = 1D.H Ø 44.70 [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. Pin terminals **LABEL RADIALL®** [2.185 max.] 55.50 max. R574432420 0 - 18 GHz [0.303 max.] 7.70 max. Un: 12V Lot : \_ \_ \_ \_ 1 2.244 Ø 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input RTN RESET terminals TTL-DRIVE Indicator terminals Actuators IN n RF inputs

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