# **Technical Data Sheet**



SP3T Terminated Ramses SMA 18GHz Normally open Indicators 28Vdc
Positive common Pins Terminals

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#### RF CHARACTERISTICS

Number of ways : 3

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 \*\* : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

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 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)







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PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R574413310 DRAWING** 6 x M3 depth 4 ô 1.500 Voltage RF Continuity Ø38.10 D.E +C -1  $IN \leftrightarrow \mathbf{1}$ +C -2  $IN \leftrightarrow 2$ D.F +C -3  $IN \leftrightarrow 3$ D.G 1.760 Ø 44.70 [0.256 min.] 6.50 min. Pin terminals LABEL **RADIALL®** TOP VIEW R574413310 [1.831 max.] 46.50 max. 0 - 18 GHz 7.70 max. Un: 28V BOTTOM VIEW Lot : \_ \_ \_ \_ 2 1 2.244  $\emptyset$  57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input terminals Indicator terminals Actuators RF inputs

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