# **Technical Data Sheet**



SP4T Terminated Ramses SMA 3GHz Normally open Indicators 12Vdc
TTL Diodes Pins Terminals

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#### RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3
VSWR max	1,20
Insertion loss max	0.20 dB
Isolation min	80 dB
Average power (*)	240 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 : 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 /  $800\mu A$  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

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: **R574312420 DRAWING** 6 x M3 depth 4 [1.500]  $\emptyset$  38.10 ŝ TTL input RF Continuity D.E E1 = 1 $IN \leftrightarrow \mathbf{1}$ E2 = 1 $IN \leftrightarrow 2$ D.F D.G E3 = 1 $\text{IN} \leftrightarrow 3$ E4 = 1 $IN \leftrightarrow 4\,$ D.H [ 1.760 ] 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. R574312420 0 - 3 GHz [0.303 max.] 7.70 max. Un: 12V Lot : \_ \_ \_ BOTTOM VIEW 2 1 2.244 Ø 57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input RTN E2 E1 terminals TTL-DRIVE D∳ Ε¢ Indicator terminals Actuators IN П RF inputs

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