# **Technical Data Sheet**



SP3T Terminated Ramses SMA 3GHz Normally open 12Vdc BCD TTL
Diodes Pins Terminals

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#### RF CHARACTERISTICS

Number of ways : 3

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.)

BCD inputs (E) - High level : **3.5 to 5.5 V / 800µA at 5.5 V** 

- Low level : 0 to 1.5 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: **R574302380 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 ŝ **BCD TRUTH TABLE** E2 E3 E1 RF continuity 0 0 Last Position 1 1 All ports open 0 0 1  $IN \leftrightarrow 1$ [1.760] IN ↔ 2 0 1 0 Ø 44.70 0 [0.256 min.] 6.50 min. Pin terminals **LABEL RADIALL®** [2.185 max.] 55.50 max. R574302380 0 - 3 GHz [0.303 max.] 7.70 max. Un: 12V BOTTOM VIEW Lot : \_ \_ \_ \_ 2 1 2.244  $\emptyset$  57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input terminals RTN E3 E2 Vcc E1 BCD DECODER AND TTL LOGIC / POWER BREAKER CIRCUITRY Actuators IN **RF** inputs n

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