# **Technical Data Sheet**



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

#### RF CHARACTERISTICS

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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 :  $2.2 \text{ to } 5.5 \text{ V} \text{ / } 800 \mu\text{A} \text{ at } 5.5 \text{ V}$ 

- 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)





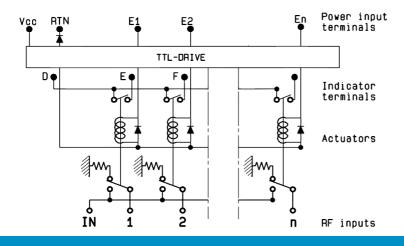


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TTL Diodes Pins Terminals PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R574312420 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 ŝ TTL input RF Continuity D.E E1 = 1 $IN \leftrightarrow \mathbf{1}$  $IN \leftrightarrow 2$ D.F E2 = 1D.G E3 = 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 [0.303 max.] 7.70 max. 0 - 3 GHz Un: 12V Lot : \_ \_ \_ \_ BOTTOM VIEW 2 1 2.244 Ø 57



## **SCHEMATIC DIAGRAM**



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