## **Technical Data Sheet**



SP3T Terminated Ramses SMA 3GHz Latching Indicators 28Vdc TTL

Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574333320

#### 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 : LATCHING

Nominal current \*\* : 125 mA / RESET : 375 mA \*\*\*\*

Actuator voltage (Vcc) : 28V (24 to 30V)

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

Switching Time\*\*\* : < 15 ms

Construction : 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)

(\*\*\*\* Reset : supply voltage time 1sec. max. / duty cycle 10%)



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PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R574333320 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 = 1 $\text{IN} \leftrightarrow 3$ D.G [ 1.760 ] Ø 44.70 [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. Pin terminals LABEL +res © © © © **RADIALL®** [2.185 max.] 55.50 max. TOP VIEW 

( R574333320 0 - 3 GHz [0.303 max.] 7.70 max. Un: 28V BOTTOM V**I**EW Lot : \_ \_ \_ \_ 2 1 2.244  $\emptyset$  57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input RIN RESET terminals TTL-DRIVE D∳ Εφ Indicator terminals Actuators IN n RF inputs

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