Technical Data Sheet



SP12T Ramses SMA 12.4GHz Latching 12Vdc Pins Terminals

PAGE 1/2 | ISSUE 22-03-22 | SERIE : SPnT | PART NUMBER : R573422200

RF CHARACTERISTICS

Number of ways : 12

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 |
|--------------------|---------|---------|----------|
| VSWR max | 1.20 | 1.40 | 1.60 |
| Insertion loss max | 0.20 dB | 0.40 dB | 0.60 dB |
| Isolation min | 80 dB | 70 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W |

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 320 mA / RESET : 3840 mA ****

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 400 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%)

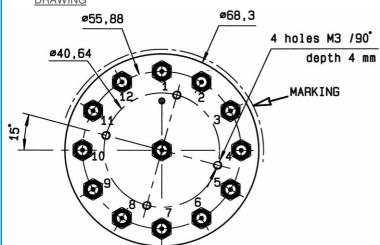


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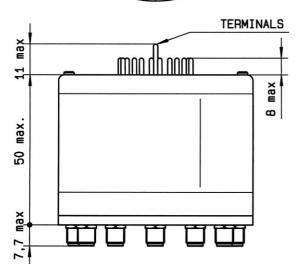


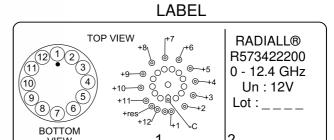
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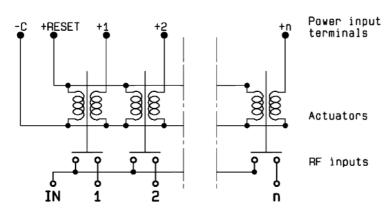
| Voltage | RF Continuity | |
|-----------|------------------------|--|
| -C +RESET | All ports open | |
| -C +1 | $IN \leftrightarrow 1$ | |
| -C +2 | $IN \leftrightarrow 2$ | |
| -C +3 | $IN \leftrightarrow 3$ | |
| -C +4 | $IN \leftrightarrow 4$ | |
| -C +5 | $IN \leftrightarrow 5$ | |
| -C +6 | IN ↔ 6 | |
| -C +7 | $IN \leftrightarrow 7$ | |
| -C +8 | IN ↔ 8 | |
| -C +9 | IN ↔ 9 | |
| -C +10 | IN ↔ 10 | |
| -C +11 | IN ↔ 11 | |
| -C +12 | IN ↔ 12 | |





General tolerances : ± 0.5 mm [0.02 in]

SCHEMATIC DIAGRAM



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