# Technical Data Sheet

SP6T Ramses SMA 18GHz Latching 12Vdc Pins Terminals

| PAGE **1/2** | ISSUE **22-03-22** | SERIE : **SPnT** | PART NUMBER : **R573422600** |
|---|---|---|---|

## RF CHARACTERISTICS

Number of ways : **6**
Frequency range : **0 - 18 GHz**
Impedance : **50 Ohms**

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 18 |
|---|---|---|---|---|
| VSWR max | 1.20 | 1.30 | 1.40 | 1.50 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.50 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 100 W |

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**
Nominal current ** : **320 mA / RESET : 1920 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 : **5 million cycles per position**
Switching Time*** : **< 15 ms**
Construction : **Splashproof**
Weight : **< 180 g**

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-40°C to +85°C**
Storage temperature range : **-55°C to +85°C**

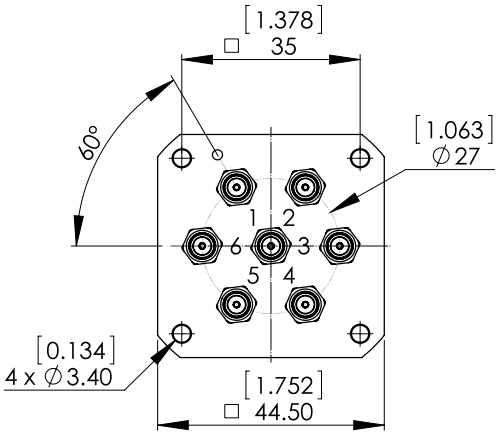
RoHS COMPLIANT

(* 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%)

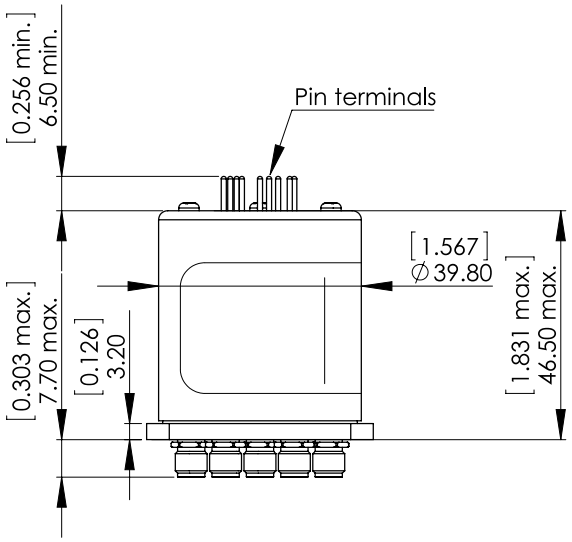
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| PAGE **2/2** | ISSUE **22-03-22** | SERIE : **SPnT** | PART NUMBER : **R573422600** |
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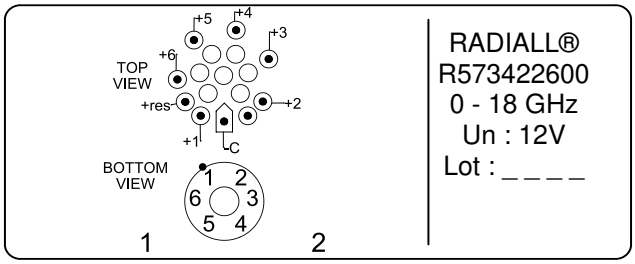
DRAWING




| Voltage | RF Continuity |
|---|---|
| -C +RESET | All ports open |
| -C +1 | IN ↔ 1 |
| -C +2 | IN ↔ 2 |
| -C +3 | IN ↔ 3 |
| -C +4 | IN ↔ 4 |
| -C +5 | IN ↔ 5 |
| -C +6 | IN ↔ 6 |

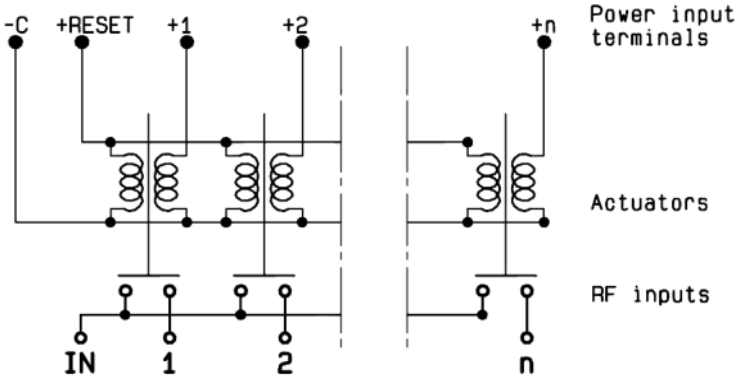



LABEL




General tolerances : ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM




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