Technical Data Sheet



SP8T Ramses SMA 18GHz Normaly open 28Vdc Positive common Pins Terminals

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RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 3 | 3 - 8 | 8 - 12.4 | 12.4 - 16 | 16 - 18 |
|--------------------|---------|---------|----------|-----------|---------|
| VSWR max | 1.20 | 1.30 | 1.40 | 1.50 | 1.60 |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB | 0.55 dB | 0.60 dB |
| Isolation min | 80 dB | 70 dB | 60 dB | 60 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 110 W | 100 W |

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 102 mA

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 2.000.000 cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 280 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)



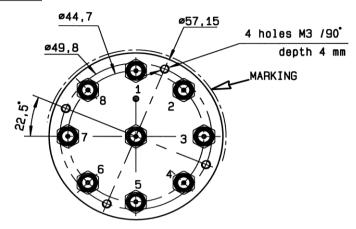
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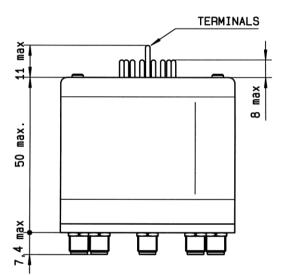
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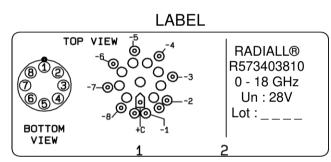
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DRAWING



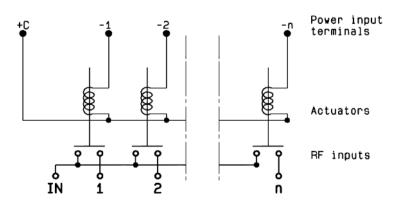
| Voltage | RF Continuity | | |
|---------|------------------------|--|--|
| +C -1 | $IN \leftrightarrow 1$ | | |
| +C -2 | $IN \leftrightarrow 2$ | | |
| +C -3 | $IN \leftrightarrow 3$ | | |
| +C -4 | $IN \leftrightarrow 4$ | | |
| +C -5 | $IN \leftrightarrow 5$ | | |
| +C -6 | $IN \leftrightarrow 6$ | | |
| +C -7 | $IN \leftrightarrow 7$ | | |
| +C -8 | IN ↔ 8 | | |





General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM



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