Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Normally open 12Vdc Positive common Pins Terminals

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RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 6 | 6 - 12.4 | 12.4 - 18 | 18 - 26.5 | 26.5 - 40 |
|--------------------|---------|----------|-----------|-----------|-----------|
| VSWR max | 1.30 | 1.40 | 1.50 | 1.70 | 2.20 |
| Insertion loss max | 0.20 dB | 0.40 dB | 0.50 dB | 0.70 dB | 1.10 dB |
| Isolation min | 70 dB | 60 dB | 60 dB | 55 dB | 50 dB |
| Average power (*) | 40 W | 30 W | 25 W | 15 W | 5 W |

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

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

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 180 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)



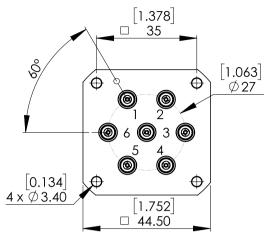
Technical Data Sheet



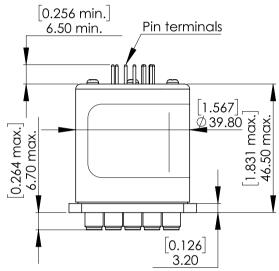
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DRAWING



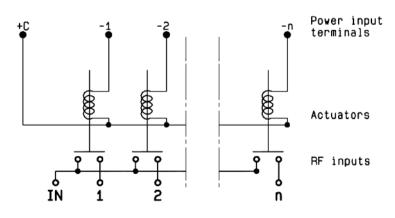
| Voltage | RF Continuity | | |
|---------|------------------------|--|--|
| +C -1 | $IN \leftrightarrow 1$ | | |
| +C -2 | $IN \leftrightarrow 2$ | | |
| +C -3 | $IN \leftrightarrow 3$ | | |
| +C -4 | $IN \leftrightarrow 4$ | | |
| +C -5 | IN ↔ 5 | | |
| +C -6 | $IN \leftrightarrow 6$ | | |



LABEL RADIALL® R573802610 0 - 40 GHz Un : 12V Lot : _____

General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



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