# **Technical Data Sheet**



SP5T Ramses SMA 18GHz Normally open Indicators 28Vdc Pins Terminals

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### RF CHARACTERISTICS

Number of ways : 5

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 : NORMALLY OPEN

Nominal current \*\* : 102 mA

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

Indicator rating : 1 W / 30 V / 100 mA

### 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

(\* Average power at 25°C per RF Path)

\*\* At 25° C ±10%)

(\*\*\* Nominal voltage; 25° C)



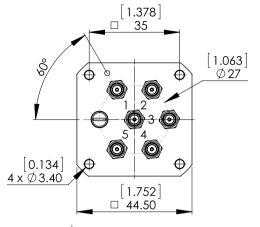
# **Technical Data Sheet**



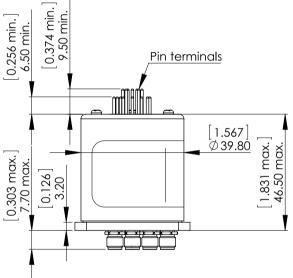
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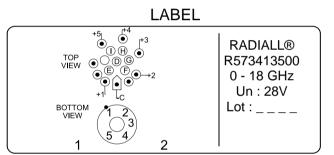
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#### **DRAWING**



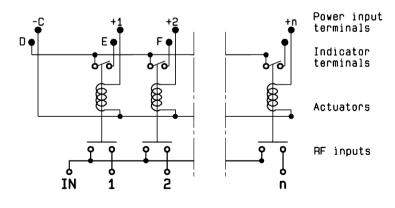
| Voltage | RF Continuity          | Ind. |
|---------|------------------------|------|
| -C +1   | $IN \leftrightarrow 1$ | D.E  |
| -C +2   | $IN \leftrightarrow 2$ | D.F  |
| -C +3   | $IN \leftrightarrow 3$ | D.G  |
| -C +4   | $IN \leftrightarrow 4$ | D.H  |
| -C +5   | IN ↔ 5                 | D.I  |





General tolerances :  $\pm 0.5$  mm [0,02 in]

### SCHEMATIC DIAGRAM



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