# **Technical Data Sheet**



SP6T Ramses SMA 18GHz Latching Indicators 12Vdc Positive common Diodes D-sub connector

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### **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) / POSITIVE COMMON

Terminals : 25 pins D-SUB male connector

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 : < 220 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%)





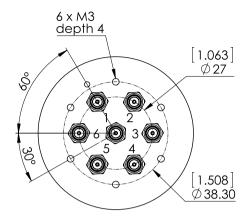


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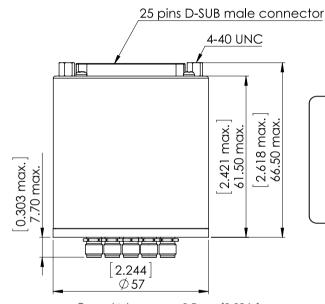
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#### **DRAWING**

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| Voltage   | RF Continuity          | Ind. |
|-----------|------------------------|------|
| +C -RESET | All ports open         |      |
| +C -1     | IN ↔ 1                 | D.E  |
| +C -2     | $IN \leftrightarrow 2$ | D.F  |
| +C -3     | IN ↔ 3                 | D.G  |
| +C -4     | IN ↔ 4                 | D.H  |
| +C -5     | IN ↔ 5                 | D.I  |
| +C -6     | IN ↔ 6                 | D.J  |



# TOP J -6 -res D F -2 H -4 RADIALL® R573432645 0 - 18 GHz Un : 12V Lot : \_ \_ \_ \_

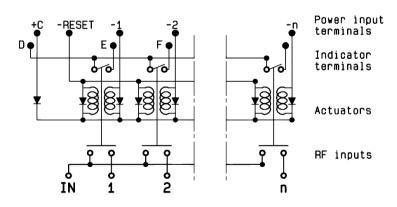
1



2

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

# SCHEMATIC DIAGRAM



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