# **Technical Data Sheet**



SP6T Ramses SMA2.9 40GHz Latching 12Vdc D-sub connector

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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 : LATCHING

Nominal current \*\* : 320 mA / RESET : 1920 mA \*\*\*\*

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

## MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 2.000.000 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%)



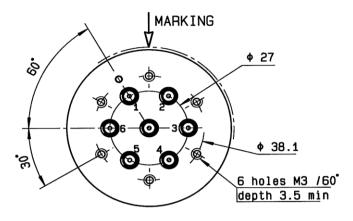
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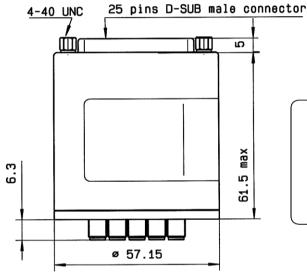
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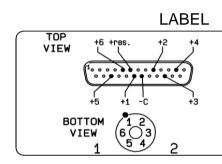
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#### **DRAWING**



Voltage	RF Continuity		
-C +RESET	All ports open		
-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	$IN \leftrightarrow 6$		

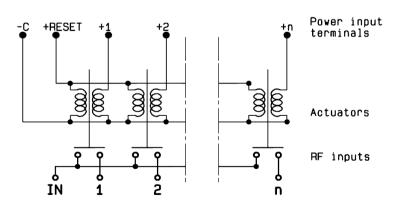




RADIALL® R573822605 0 - 40 GHz Un : 12V Lot : \_ \_ \_ \_

General tolerances : ±0.5 mm

## SCHEMATIC DIAGRAM



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