# **Technical Data Sheet**



SP6T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc
TTL Diodes Pins Terminals

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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 \*\* : 960 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : solder pins (250°C max. / 30 sec.)

Self cut-off time : 40 ms < CT < 120 ms

TTL inputs (E) - High level : 2.2 to 5.5 V /  $800\mu A$  at 5.5 V

- Low level : 0 to 0.8 V / 20μA at 0.8 V

### MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 5 million cycles per position

Switching Time\*\*\* : < 40 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)



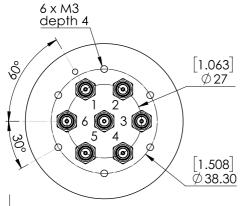




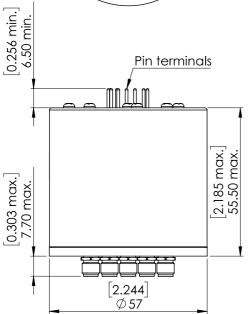
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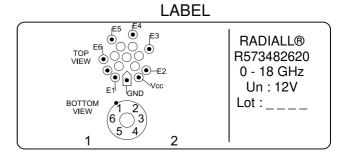
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#### **DRAWING**



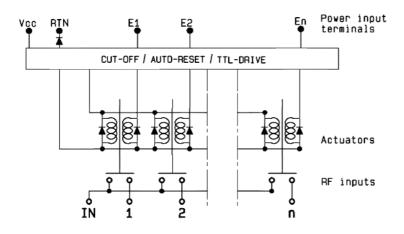
TTL input	RF Continuity	
E1 = 1	$IN \leftrightarrow 1$	
E2 = 1	$IN \leftrightarrow 2$	
E3 = 1	$IN \leftrightarrow 3$	
E4 = 1	IN ↔ 4	
E5 = 1	IN ↔ 5	
E6 = 1	IN ↔ 6	







## SCHEMATIC DIAGRAM



General tolerances: ±0,5 mm [0,02 in]

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