# **Technical Data Sheet**



SP6T Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset 28Vdc
TTL Diodes D-sub connector

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## RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18-26.5
VSWR max	1.20	1.30	1.40	1.50	1.70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	100 W	40 W

## **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 375 mA

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : 25 pins D-SUB male connector

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 /  $20\mu A$  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)



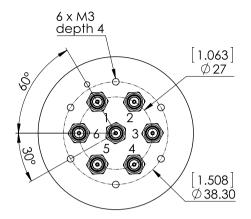




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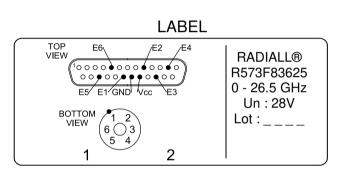
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### **DRAWING**



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

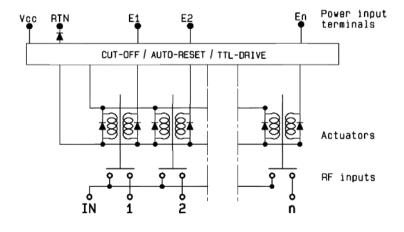
# 25 pins D-SUB male connector 4-40 UNC 4-40 UNC [2.421 max.] (9.303 max.] (9.150 max.] (9.650 max.] (2.544] (9.50 max.]





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

# SCHEMATIC DIAGRAM



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