# **Technical Data Sheet**



SP6T Ramses SMA2.9 40GHz Latching Self-cut-off Auto-reset 28Vdc Diodes Pins Terminals

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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 \*\* : 375 mA

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

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

#### MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 2 million cycles per position

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



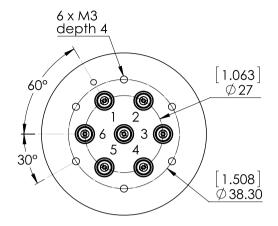




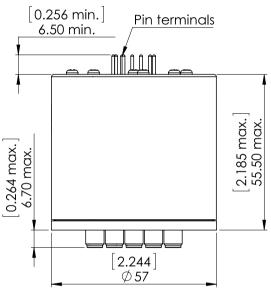
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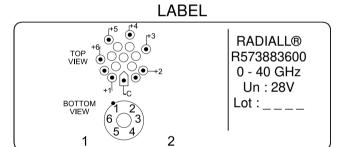
#### **DRAWING**



Voltage	RF Continuity		
-C +1	IN ↔ 1		
-C +2	$IN \leftrightarrow 2$		
-C +3	$IN \leftrightarrow 3$		
-C +4	$IN \leftrightarrow 4$		
-C +5	IN ↔ 5		
-C +6	$IN \leftrightarrow 6$		

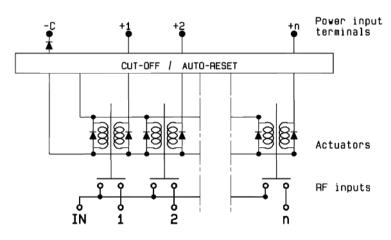


General tolerances: ±0,5 mm [0,02 in]





### SCHEMATIC DIAGRAM



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