## **Technical Data Sheet**



SP6T Terminated Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc TTL Diodes 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

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

#### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING

Nominal current \*\* : 125 mA / RESET : 750 mA \*\*\*\*

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

Terminals : 25 pins D-SUB male connector

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

## MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : <15 ms

Construction : Splashproof

Weight : < 250 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%)



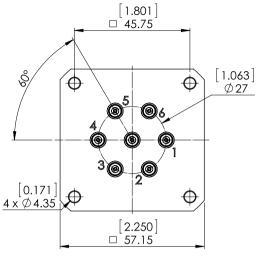




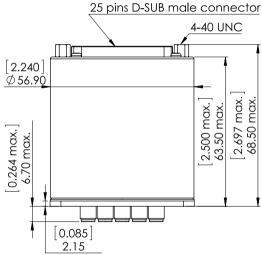
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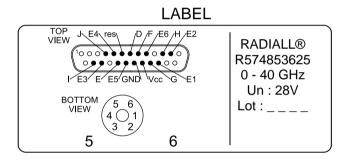
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#### **DRAWING**



TTL input	RF Continuity	Ind.
RESET = 1	All ports open	
E1 = 1	$IN \leftrightarrow 1$	D.G
E2 = 1	$IN \leftrightarrow 2$	D.H
E3 = 1	$IN \leftrightarrow 3$	D.I
E4 = 1	$IN \leftrightarrow 4$	D.J
E5 = 1	IN ↔ 5	D.E
E6 = 1	$IN \leftrightarrow 6$	D.F

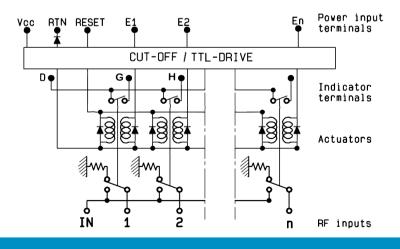






# General tolerances : ±0,5 mm [0,02 in]

## SCHEMATIC DIAGRAM



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