# **Technical Data Sheet**



SP3T Terminated Ramses SMA2.9 40GHz Latching 28Vdc Pins Terminals

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## **RF CHARACTERISTICS**

Number of ways : 3

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	1.95
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.00 dB
Isolation min	80 dB	70 dB	70 dB	60 dB	55 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 : 375 mA \*\*\*\*

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

## MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 7 million cycles per position

Switching Time\*\*\* : < 15 msConstruction : 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%)



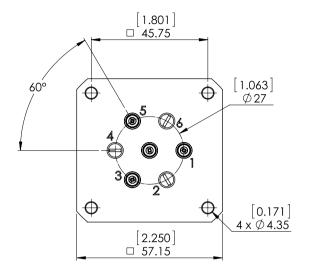
# **Technical Data Sheet**



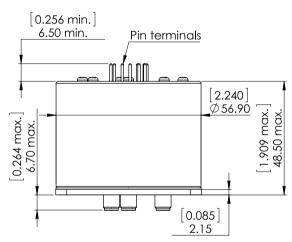
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#### **DRAWING**



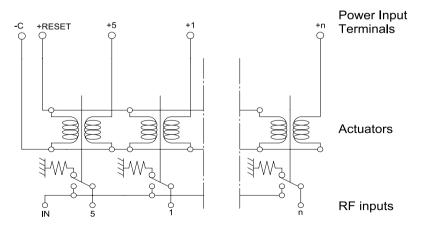
Voltage	RF Continuity		
-C +RESET	All ports open		
-C +1	IN ↔ 1		
-C +3	$IN \leftrightarrow 3$		
-C +5	IN ↔ 5		



# LABEL RADIALL® R574823300 0 - 40 GHz Un : 28V Lot : \_\_\_\_ 5 1

General tolerances: ±0,5 mm [0,02 in]

# SCHEMATIC DIAGRAM



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