## **Technical Data Sheet**



SP8T Terminated Ramses N 8GHz Normally open 12Vdc Pins Terminals

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#### RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 8 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8
VSWR max	1.30	1.50
Insertion loss max	0.30 dB	0.50 dB
Isolation min	80 dB	70 dB
Average power (*)	400 W	250 W

VSWR values are not applicable for internal terminations

TERMINATION IMPEDANCE : 50 Ohms

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

### **ELECTRICAL CHARACTERISTICS**

Actuator : NORMALLY OPEN

Nominal current \*\* : 250 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

### MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 15 msConstruction : Splashproof
Weight : < 680 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)

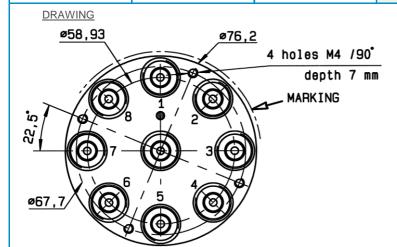


# **Technical Data Sheet**

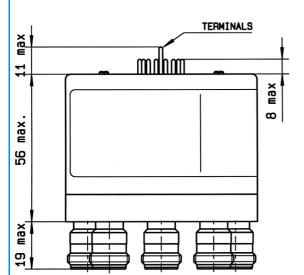


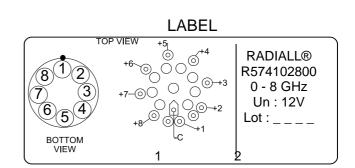
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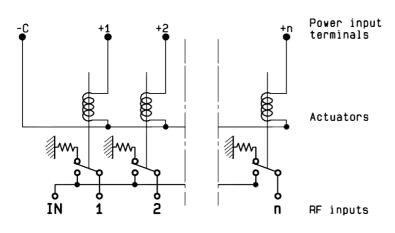
RF Continuity	
$IN \leftrightarrow 1$	
$IN \leftrightarrow 2$	
$IN \leftrightarrow 3$	
$IN \leftrightarrow 4$	
IN ↔ 5	
IN ↔ 6	
IN ↔ 7	
IN ↔ 8	





General tolerances :  $\pm 0.5$  mm [0.02 in]

## SCHEMATIC DIAGRAM



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