# **Technical Data Sheet**



SP8T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset 28Vdc Positive common Diodes Pins Terminals

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### RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18
VSWR max	1.20	1.30	1.40	1.50	1.60
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	110 W	100 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 \*\* : 375 mA

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

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

# MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 50 msConstruction : Splashproof
Weight : < 280 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)



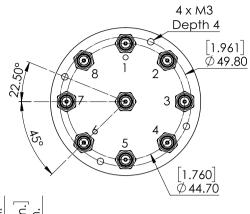




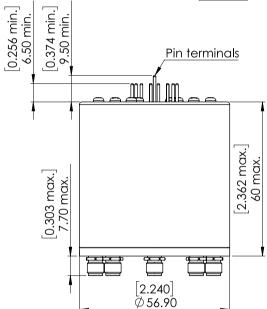
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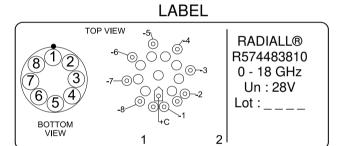
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### **DRAWING**



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	$IN \leftrightarrow 6$		
+C -7	$IN \leftrightarrow 7$		
+C -8	$IN \leftrightarrow 8$		

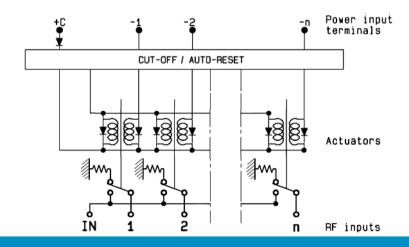






# General tolerances: ±0,5 mm [0,02 in]

# SCHEMATIC DIAGRAM



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