# **Technical Data Sheet**



SP8T Terminated Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset 28Vdc BCD TTL Diodes D-sub connector

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### RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18	18 - 22	22 - 26.5
VSWR max	1,20	1,30	1,40	1,50	1,60	1,70	2,00
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB	0.70 dB	1.10 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W	90 W	40 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)

Terminals : 25 pins D-SUB male connector

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

BCD inputs (E) - High level : **3.5 to 5.5 V / 800μA at 5.5 V** 

- Low level : 0 to 1.5 V / 20µA at 0.8 V

## MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 50 ms

Construction : 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)



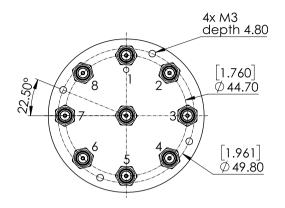




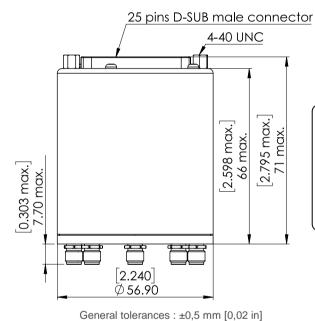
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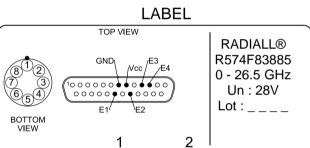
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### **DRAWING**



BCD TRUTH TABLE							
E4	E3	E2	E1	RF continuity			
0	0	0	0	All ports open (Forced Reset)			
0	0	0	1	$IN \leftrightarrow 1$			
0	0	1	0	$IN \leftrightarrow 2$			
0	0	1	1	$IN \leftrightarrow 3$			
0	1	0	0	$IN \leftrightarrow 4$			
0	1	0	1	$IN \leftrightarrow 5$			
0	1	1	0	$IN \leftrightarrow 6$			
0	1	1	1	$IN \leftrightarrow 7$			
1	0	0	0	$IN \leftrightarrow 8$			

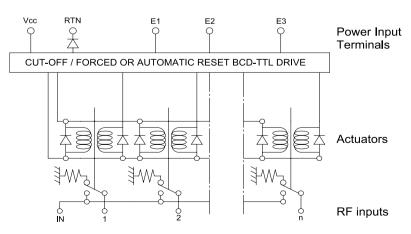






#### General tolerances . ±0,5 mm [0,02 m

## SCHEMATIC DIAGRAM



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