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ISSUE 22-03-22

SERIE : SPnT

PART NUMBER : R574493085

## RF CHARACTERISTICS

Number of ways : 10  
 Frequency range : 0 - 18 GHz  
 Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 15.5	15.5 - 18
VSWR max	1,20	1,30	1,40	1,50	1,70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	55 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 \*\* : 500 mA  
 Actuator voltage (Vcc) : 28V (24 to 30V)  
 Terminals : 25 pins D-SUB male connector  
 Indicator rating : 1 W / 30 V / 100 mA  
 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 : < 360 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)



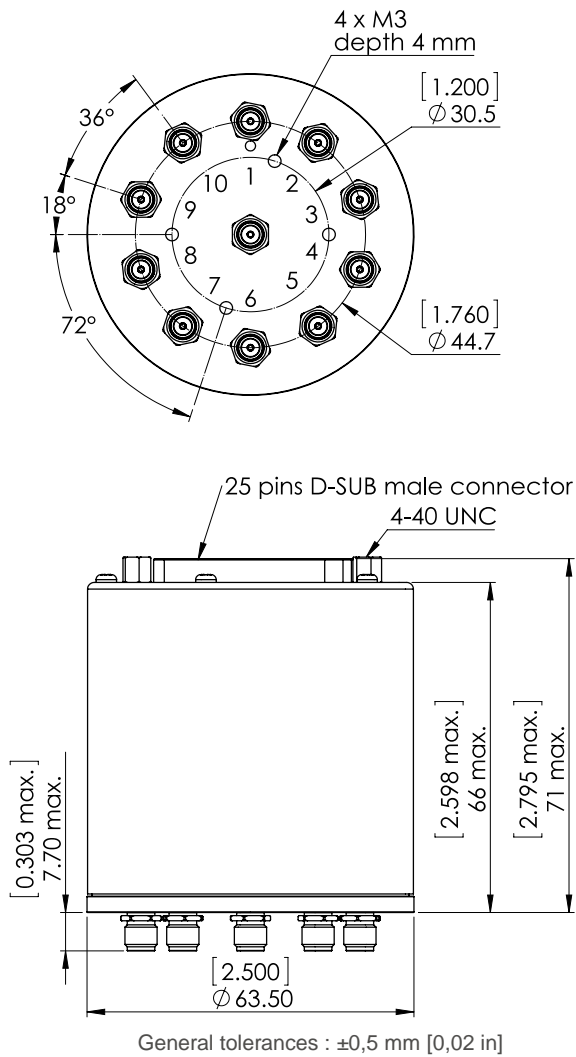
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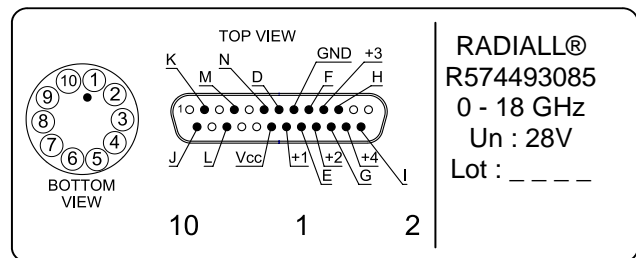
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**DRAWING**



BCD TRUTH TABLE					
E4	E3	E2	E1	RF continuity	Ind.
0	0	0	0	All ports open (Forced Reset)	--
0	0	0	1	IN $\leftrightarrow$ 1	D.E
0	0	1	0	IN $\leftrightarrow$ 2	D.F
0	0	1	1	IN $\leftrightarrow$ 3	D.G
0	1	0	0	IN $\leftrightarrow$ 4	D.H
0	1	0	1	IN $\leftrightarrow$ 5	D.I
0	1	1	0	IN $\leftrightarrow$ 6	D.J
0	1	1	1	IN $\leftrightarrow$ 7	D.K
1	0	0	0	IN $\leftrightarrow$ 8	D.L
1	0	0	1	IN $\leftrightarrow$ 9	D.M
1	0	1	0	IN $\leftrightarrow$ 10	D.N

**LABEL**



**SCHEMATIC DIAGRAM**

