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ISSUE **26-07-21**

SERIE : **SPnT**

PART NUMBER : **R574493815**

## 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	<b>1.20</b>	<b>1.30</b>	<b>1.40</b>	<b>1.50</b>	<b>1.60</b>
Insertion loss max	<b>0.20 dB</b>	<b>0.30 dB</b>	<b>0.40 dB</b>	<b>0.55 dB</b>	<b>0.60 dB</b>
Isolation min	<b>80 dB</b>	<b>70 dB</b>	<b>60 dB</b>	<b>60 dB</b>	<b>60 dB</b>
Average power (*)	<b>240 W</b>	<b>150 W</b>	<b>120 W</b>	<b>110 W</b>	<b>100 W</b>

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 : **25 pins D-SUB male connector**  
Indicator rating : **1 W / 30 V / 100 mA**  
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 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)



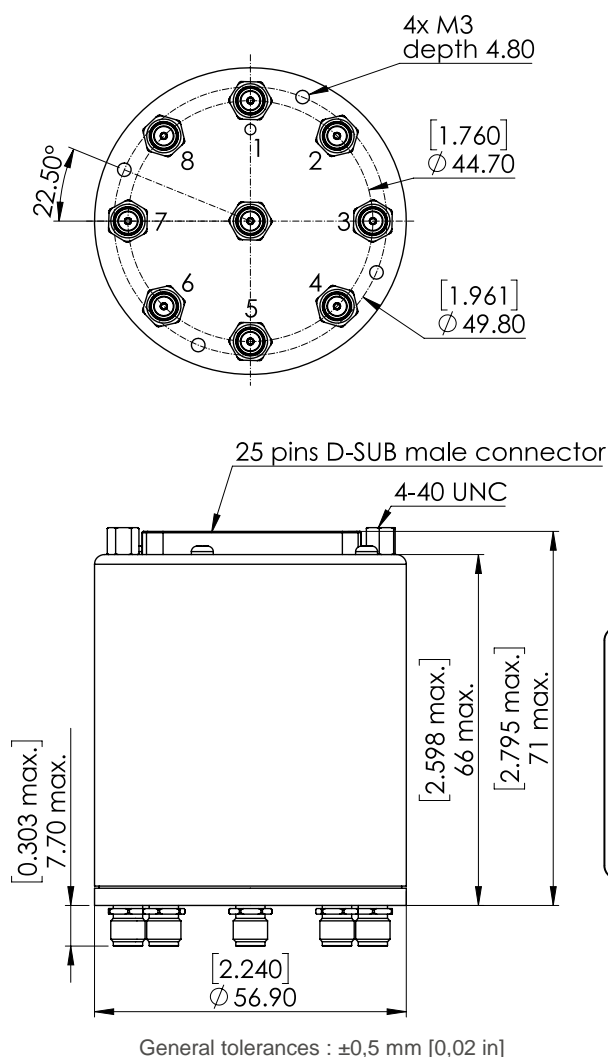
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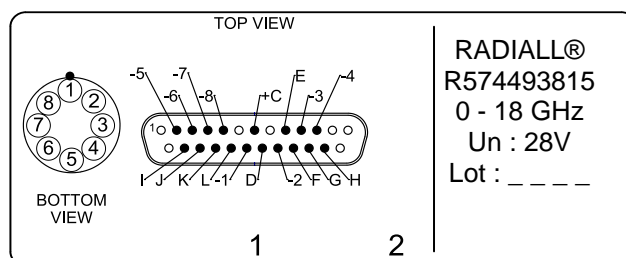
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DRAWING



Voltage	RF Continuity	Ind.
+C -1	IN $\leftrightarrow$ 1	D.E
+C -2	IN $\leftrightarrow$ 2	D.F
+C -3	IN $\leftrightarrow$ 3	D.G
+C -4	IN $\leftrightarrow$ 4	D.H
+C -5	IN $\leftrightarrow$ 5	D.I
+C -6	IN $\leftrightarrow$ 6	D.J
+C -7	IN $\leftrightarrow$ 7	D.K
+C -8	IN $\leftrightarrow$ 8	D.L

**LABEL**



SCHEMATIC DIAGRAM

