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ISSUE **25-11-22**

SERIE : **SPnT**

PART NUMBER : **R574F23815**

## 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	<b>1,20</b>	<b>1,30</b>	<b>1,40</b>	<b>1,50</b>	<b>1,60</b>	<b>1,70</b>	<b>2,00</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>	<b>0.70 dB</b>	<b>1.10 dB</b>
Isolation min	<b>80 dB</b>	<b>70 dB</b>	<b>60 dB</b>	<b>60 dB</b>	<b>60 dB</b>	<b>60 dB</b>	<b>55 dB</b>
Average power (*)	<b>240 W</b>	<b>150 W</b>	<b>120 W</b>	<b>110 W</b>	<b>100 W</b>	<b>90 W</b>	<b>40 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 \*\* : **125 mA / RESET : 1000 mA \*\*\*\***  
Actuator voltage (Vcc) : **28V (24 to 30V) / POSITIVE COMMON**  
Terminals : **25 pins D-SUB male connector**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**  
Life : **2 million cycles per position**  
Switching Time\*\*\* : **< 15 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)  
(\*\*\*\*) Reset : supply voltage time 1sec. max. / duty cycle 10%)



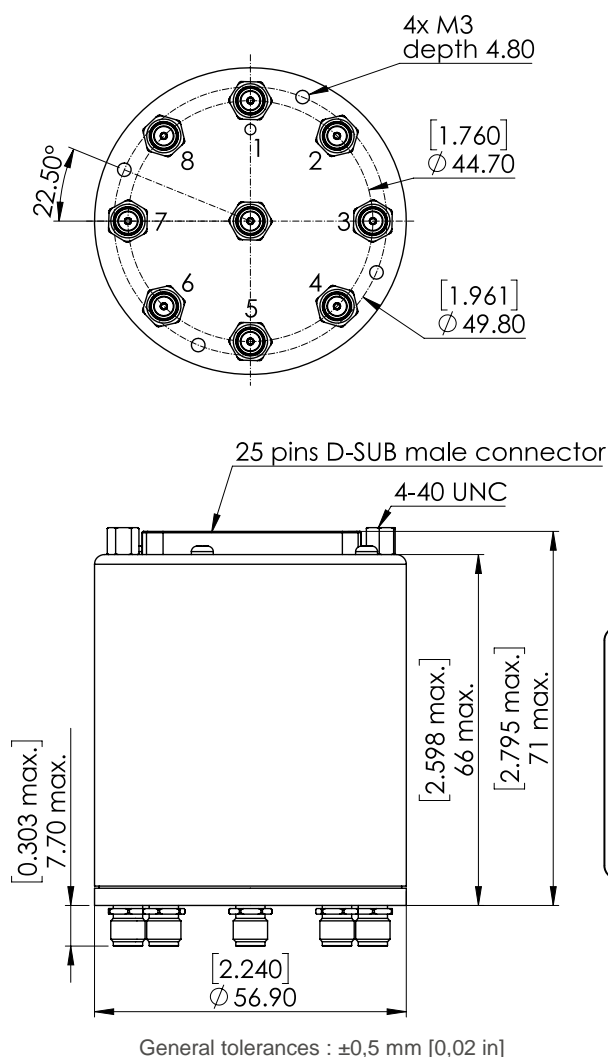
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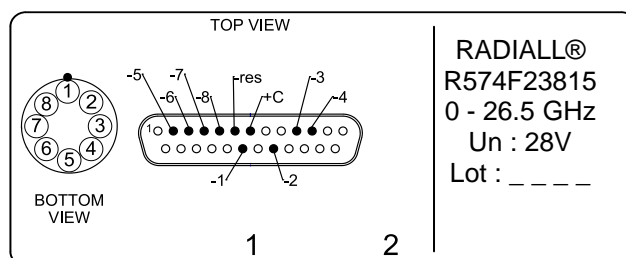
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# DRAWING



Voltage	RF Continuity
+C -RESET	All ports open
+C -1	IN $\leftrightarrow$ 1
+C -2	IN $\leftrightarrow$ 2
+C -3	IN $\leftrightarrow$ 3
+C -4	IN $\leftrightarrow$ 4
+C -5	IN $\leftrightarrow$ 5
+C -6	IN $\leftrightarrow$ 6
+C -7	IN $\leftrightarrow$ 7
+C -8	IN $\leftrightarrow$ 8

# LABEL



# SCHEMATIC DIAGRAM

