

PAGE 1/2

ISSUE 10-07-19

SERIE : SPnT

PART NUMBER : R574122805

## RF CHARACTERISTICS

Number of ways : **8**  
 Frequency range : **0 - 8 GHz**  
 Impedance : **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8
VSWR max	<b>1,30</b>	<b>1,50</b>
Insertion loss max	<b>0.30 dB</b>	<b>0.50 dB</b>
Isolation min	<b>80 dB</b>	<b>70 dB</b>
Average power (*)	<b>400 W</b>	<b>250 W</b>

VSWR values are not applicable for internal terminations

TERMINATION IMPEDANCE : **50 Ohms**  
 TERM. AVG. POWER AT 25° C : **1 W per termination / 3 W total power**

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**  
 Nominal current \*\* : **320 mA / RESET : 2560 mA \*\*\*\***  
 Actuator voltage (Vcc) : **12V (10.2 to 13V) / NEGATIVE COMMON**  
 Terminals : **25 pins D-SUB male connector**

## MECHANICAL CHARACTERISTICS

Connectors : **N female per MIL-C 39012**  
 Life : **2 million cycles per position**  
 Switching Time\*\*\* : **< 15 ms**  
 Construction : **Splashproof**  
 Weight : **< 680 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%)



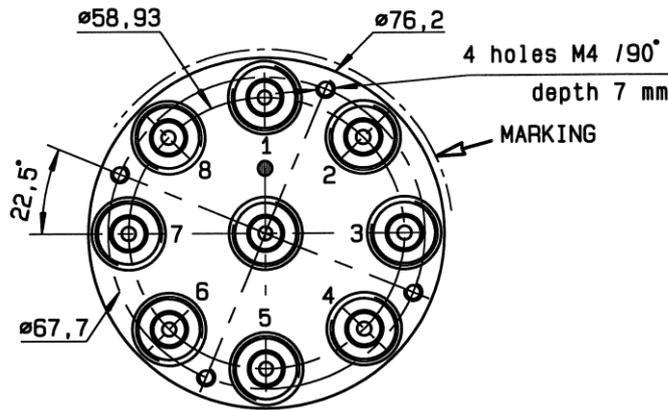
PAGE 2/2

ISSUE 10-07-19

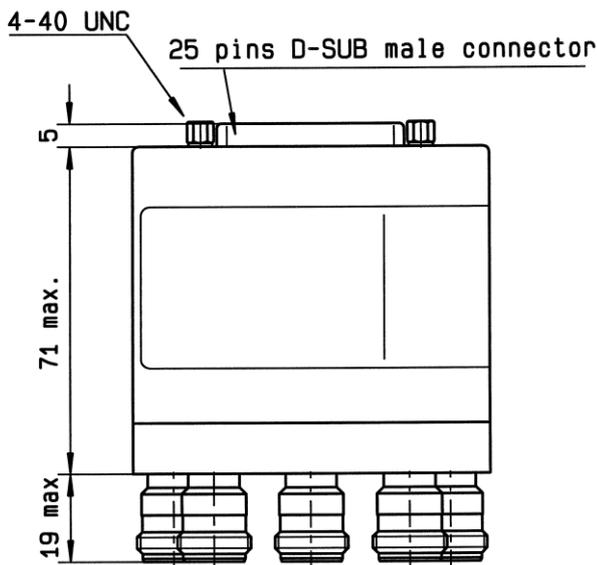
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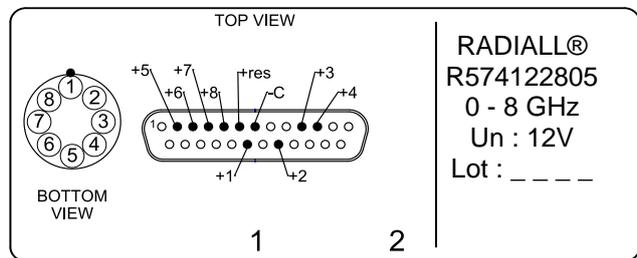
DRAWING



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**



General tolerances :  $\pm 0,5$  mm [0,02 in]

SCHEMATIC DIAGRAM

