

PAGE **1/2**

ISSUE **05.06.15**

SERIE : **SPnT**

PART NUMBER : **R574F02815**

## 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 : **NORMALLY OPEN**  
Nominal current \*\* : **250 mA**  
Actuator voltage (Vcc) : **12V (10.2 to 13V) / POSITIVE COMMON**  
Terminals : **25 pins D-SUB male connector**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**  
Life : **2.000.000 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)



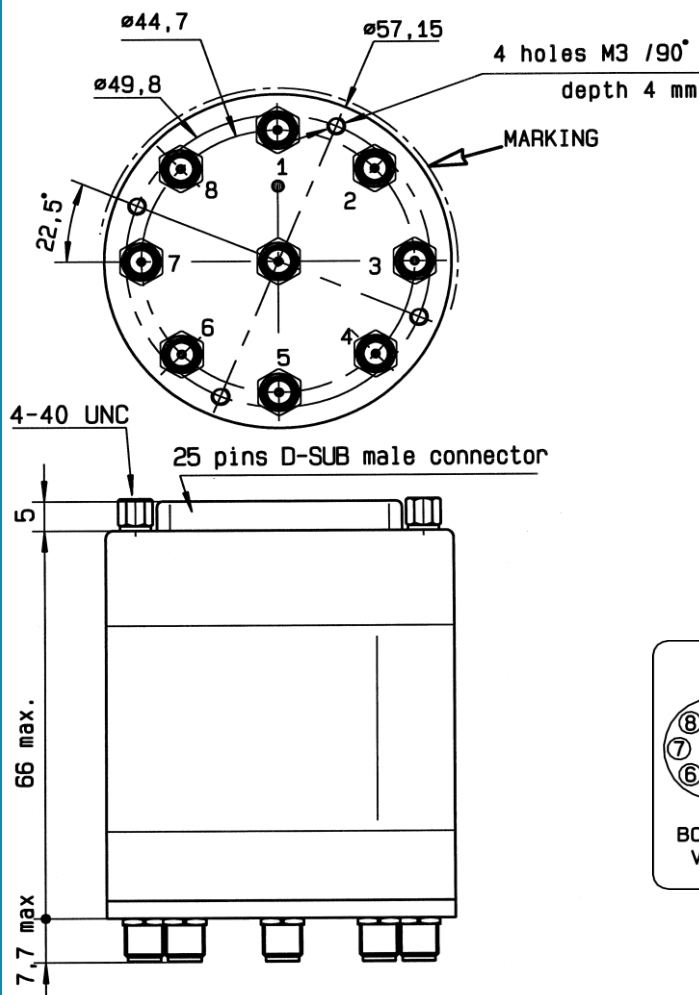
PAGE 2/2

ISSUE 05.06.15

SERIE : SPnT

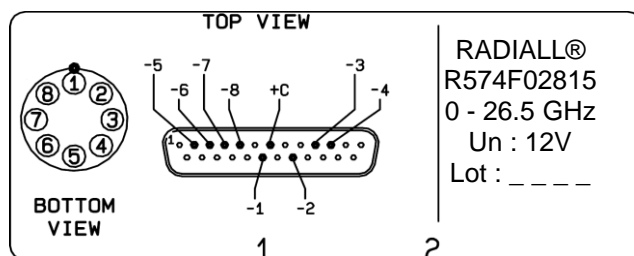
PART NUMBER : R574F02815

DRAWING



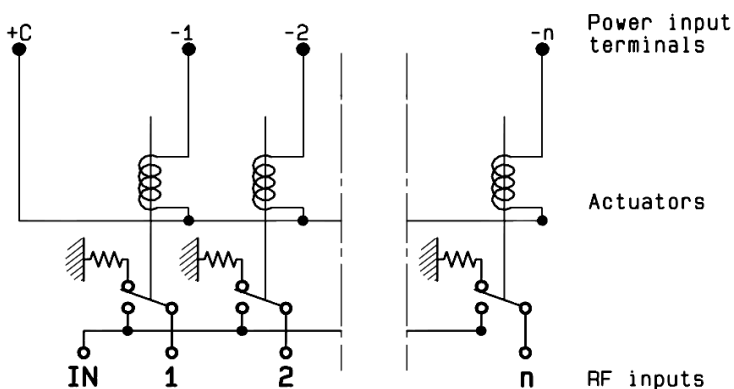
Voltage	RF Continuity
+C -1	IN ↔ 1
+C -2	IN ↔ 2
+C -3	IN ↔ 3
+C -4	IN ↔ 4
+C -5	IN ↔ 5
+C -6	IN ↔ 6
+C -7	IN ↔ 7
+C -8	IN ↔ 8

LABEL



General tolerances :  $\pm 0.5$  mm

SCHEMATIC DIAGRAM



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radial:

[R574F02815](#)