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ISSUE 25-11-22

SERIE : SPnT

PART NUMBER : R574F52625

## RF CHARACTERISTICS

Number of ways : **6**  
Frequency range : **0 - 26.5 GHz**  
Impedance : **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18-26.5
VSWR max	<b>1,20</b>	<b>1,30</b>	<b>1,40</b>	<b>1,50</b>	<b>1,70</b>
Insertion loss max	<b>0.20 dB</b>	<b>0.30 dB</b>	<b>0.40 dB</b>	<b>0.50 dB</b>	<b>0.70 dB</b>
Isolation min	<b>80 dB</b>	<b>70 dB</b>	<b>60 dB</b>	<b>60 dB</b>	<b>50 dB</b>
Average power (*)	<b>240 W</b>	<b>150 W</b>	<b>120 W</b>	<b>100 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 \*\* : **320 mA / RESET : 1920 mA \*\*\*\***  
Actuator voltage (Vcc) : **12V (10.2 to 13V)**  
Terminals : **25 pins D-SUB male connector**  
Indicator rating : **1 W / 30 V / 100 mA**  
Self cut-off time : **40 ms < CT < 120 ms**  
TTL inputs (E) - High level : **2.2 to 5.5 V / 800µA at 5.5 V**  
- Low level : **0 to 0.8 V / 20µA at 0.8 V**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**  
Life : **3 million cycles per position**  
Switching Time\*\*\* : **< 15 ms**  
Construction : **Splashproof**  
Weight : **< 250 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%)



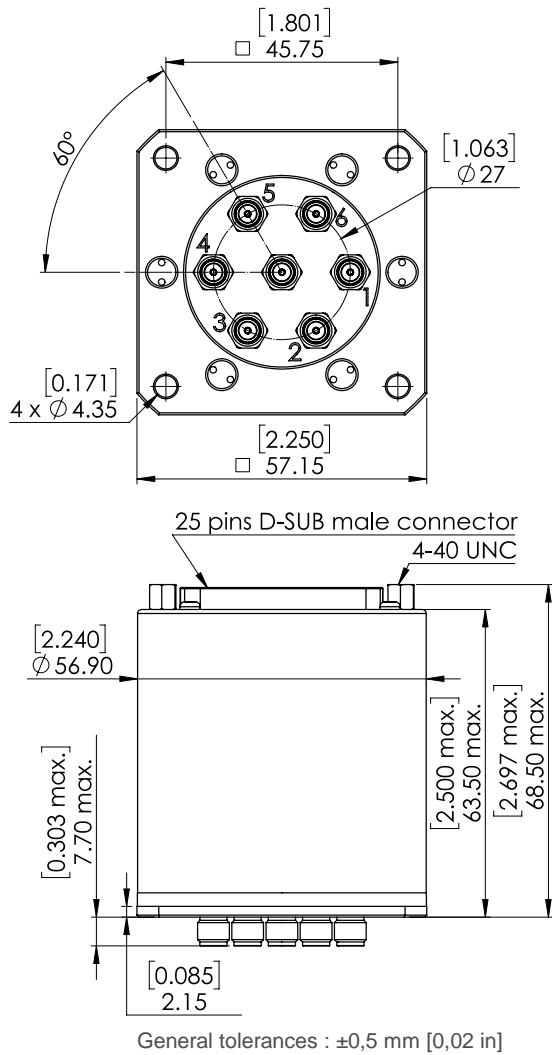
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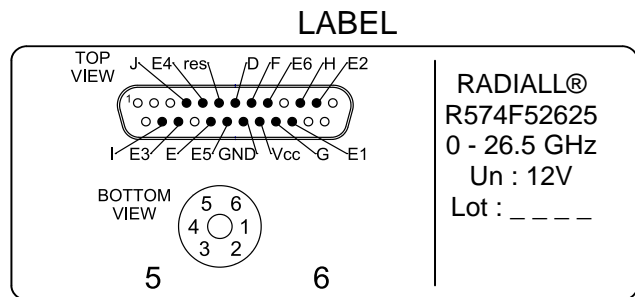
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**DRAWING**



TTL input	RF Continuity	Ind.
RESET = 1	All ports open	- -
E1 = 1	IN ↔ 1	D.G
E2 = 1	IN ↔ 2	D.H
E3 = 1	IN ↔ 3	D.I
E4 = 1	IN ↔ 4	D.J
E5 = 1	IN ↔ 5	D.E
E6 = 1	IN ↔ 6	D.F



**SCHEMATIC DIAGRAM**

