

PAGE **1/2**

ISSUE **26-07-21**

SERIE : **SPnT**

PART NUMBER : **R574812625**

## RF CHARACTERISTICS

Number of ways : **6**  
 Frequency range : **0 - 40 GHz**  
 Impedance : **50 Ohms**

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	<b>1.30</b>	<b>1.40</b>	<b>1.50</b>	<b>1.70</b>	<b>2.20</b>
Insertion loss max	<b>0.20 dB</b>	<b>0.40 dB</b>	<b>0.50 dB</b>	<b>0.70 dB</b>	<b>1.10 dB</b>
Isolation min	<b>70 dB</b>	<b>60 dB</b>	<b>60 dB</b>	<b>55 dB</b>	<b>50 dB</b>
Average power (*)	<b>40 W</b>	<b>30 W</b>	<b>25 W</b>	<b>15 W</b>	<b>5 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)**  
 Terminals : **25 pins D-SUB male connector**  
 Indicator rating : **1 W / 30 V / 100 mA**  
 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 2.9 female per MIL-C 39012**  
 Life : **2 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)



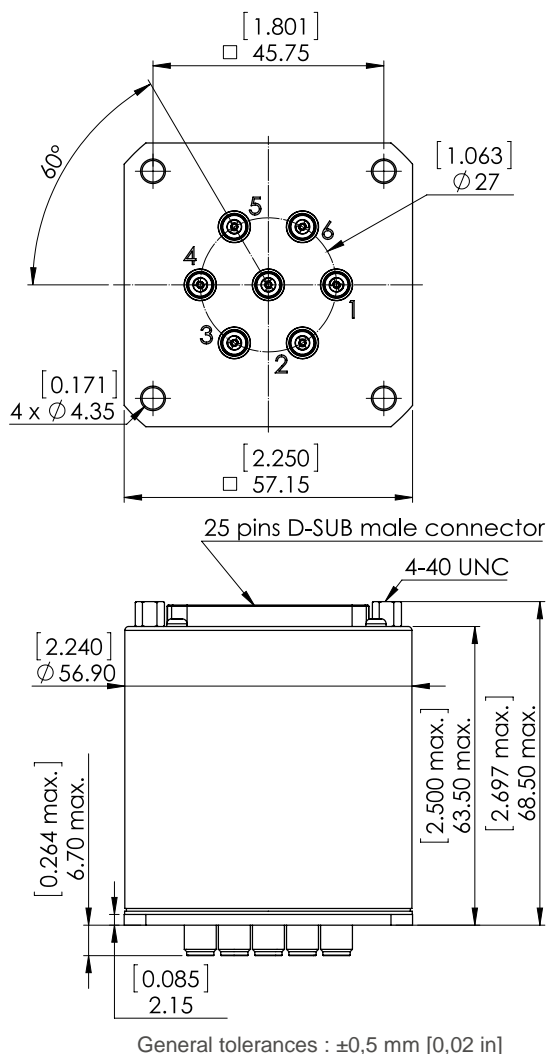
PAGE 2/2

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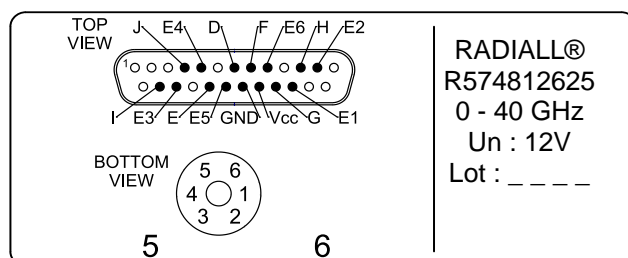
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# DRAWING



TTL input	RF Continuity	Ind.
E1 = 1	IN $\leftrightarrow$ 1	D.G
E2 = 1	IN $\leftrightarrow$ 2	D.H
E3 = 1	IN $\leftrightarrow$ 3	D.I
E4 = 1	IN $\leftrightarrow$ 4	D.J
E5 = 1	IN $\leftrightarrow$ 5	D.E
E6 = 1	IN $\leftrightarrow$ 6	D.F

# LABEL



# SCHEMATIC DIAGRAM

