PAGE **1/2**	ISSUE **22-03-22**	SERIE : **SPnT**	PART NUMBER : **R574312025**

RF CHARACTERISTICS

Number of ways   : **10**
Frequency range   : **0 - 3 GHz**
Impedance   : **50 Ohms**

Frequency (GHz)	**DC - 3**
VSWR max	**1,20**
Insertion loss max	**0.20 dB**
Isolation min	**80 dB**
Average power (*)	**240 W**

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 female per MIL-C 39012**
Life   : **2 million cycles per position**
Switching Time***   : **< 15 ms**
Construction   : **Splashproof**
Weight   : **< 360 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)
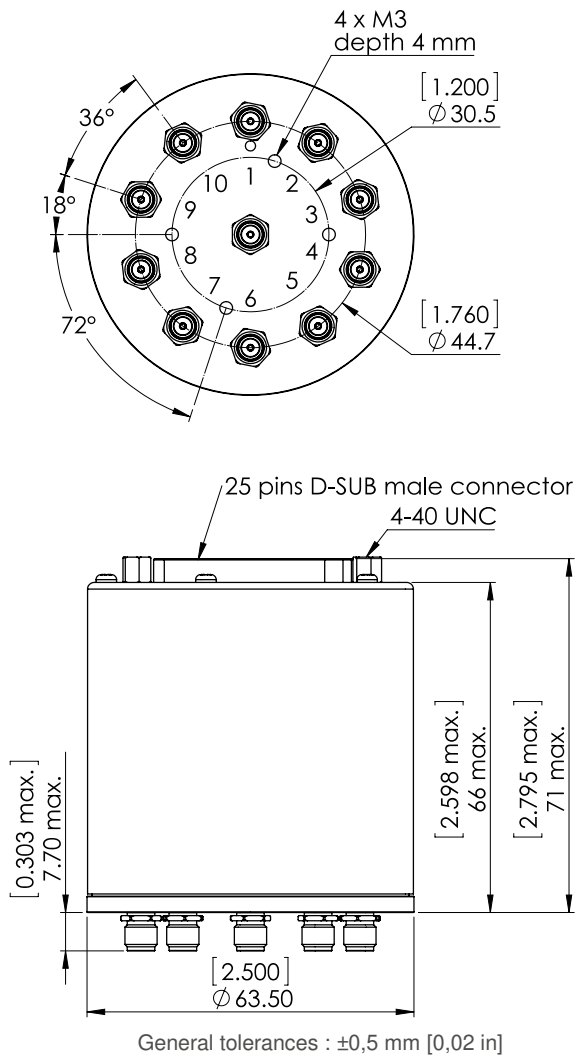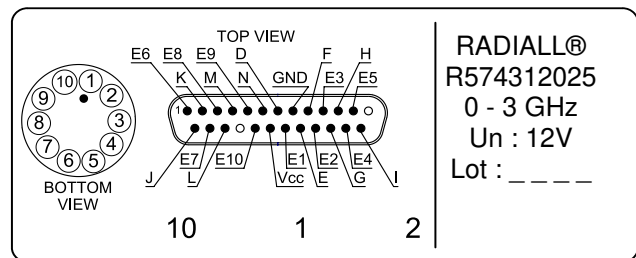
DRAWING

4 x M3
depth 4 mm

[1.200]
∅ 30.5

36°
18°
72°

[1.760]
∅ 44.7

TTL input	RF Continuity	Ind.
E1 = 1	IN ↔ 1	D.E
E2 = 1	IN ↔ 2	D.F
E3 = 1	IN ↔ 3	D.G
E4 = 1	IN ↔ 4	D.H
E5 = 1	IN ↔ 5	D.I
E6 = 1	IN ↔ 6	D.J
E7 = 1	IN ↔ 7	D.K
E8 = 1	IN ↔ 8	D.L
E9 = 1	IN ↔ 9	D.M
E10 = 1	IN ↔ 10	D.N

25 pins D-SUB male connector
4-40 UNC

[0.303 max.]
7.70 max.

[2.598 max.]
66 max.

[2.795 max.]
71 max.

[2.500]
∅ 63.50

General tolerances : ±0,5 mm [0,02 in]

LABEL

TOP VIEW

E6 E8 E9 D   F H
K M N GND E3 E5

BOTTOM
VIEW

E7 E10   E1 E2 E4
J L   Vcc E G   I

RADIALL®
R574312025
0 - 3 GHz
Un : 12V
Lot : _ _ _ _

10   1   2

SCHEMATIC DIAGRAM

Vcc RTN   E1   E2   En   Power input
                                 terminals

TTL-DRIVE

D   E   F   Indicator
                             terminals

                             Actuators

IN   1   2   n   RF inputs