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ISSUE 10-04-25

SERIE : SPnT

PART NUMBER : R574803685

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	1.30	1.40	1.50	1.70	1.95
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.00 dB
Isolation min	80 dB	70 dB	70 dB	60 dB	55 dB
Average power (*)	40 W	30 W	25 W	15 W	5 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 ** : **102 mA**
 Actuator voltage (Vcc) : **28V (24 to 30V)**
 Terminals : **25 pins D-SUB male connector**
 BCD inputs (E) - High level : **3.5 to 5.5 V / 800µA at 5.5 V**
 - Low level : **0 to 1.5 V / 20µA at 0.8 V**

MECHANICAL CHARACTERISTICS

Connectors : **SMA 2.9 female per MIL-C 39012**
 Life : **7 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**

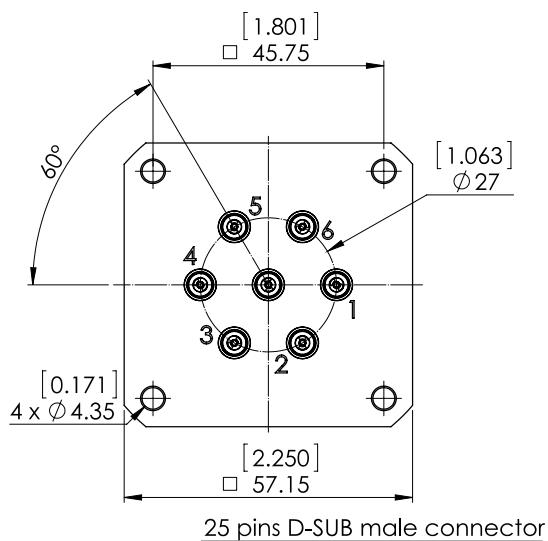
(*) Average power at 25°C per RF Path)

(**) At 25° C ±10%

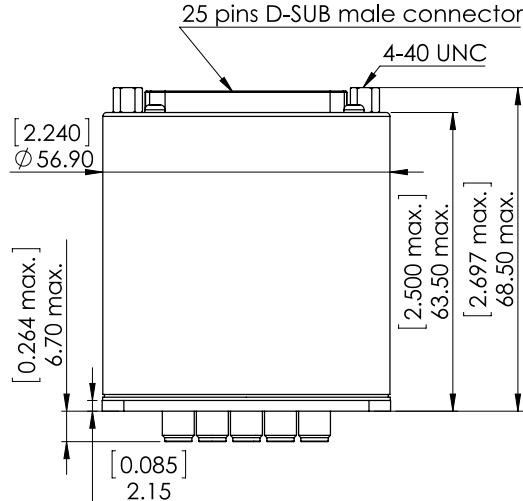
(***) Nominal voltage ; 25° C)



DRAWING

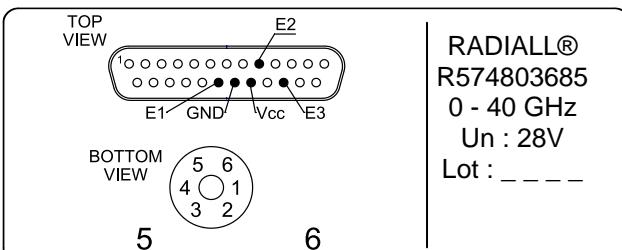


BCD TRUTH TABLE			
E3	E2	E1	RF continuity
0	0	0	Last Position
1	1	1	All ports open
0	0	1	IN \leftrightarrow 5
0	1	0	IN \leftrightarrow 6
0	1	1	IN \leftrightarrow 1
1	0	0	IN \leftrightarrow 2
1	0	1	IN \leftrightarrow 3
1	1	0	IN \leftrightarrow 4



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

LABEL



SCHEMATIC DIAGRAM

