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RF CHARACTERISTICS

Frequency range : **0 - 3 GHz**
Impedance : **50 Ohms**

Frequency (GHz)	DC - 1	1 - 2	2 - 3
VSWR max	1.15	1.20	1.25
Insertion loss max	0.15 dB	0.20 dB	0.25 dB
Isolation min	85 dB	80 dB	75 dB
Average power (*)	700 W	500 W	400 W

ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**
Nominal current ** : **125 mA**
Actuator voltage (Vcc) : **28V (24 to 30V) / NEGATIVE COMMON**
Terminals : **9 pins D-SUB male connector**
Indicator rating : **1 W / 30 V / 100 mA**

MECHANICAL CHARACTERISTICS

Connectors : **N female per MIL-C 39012**
Life : **2.5 million cycles**
Switching Time*** : **< 15 ms**
Construction : **Splashproof**
Weight : **< 215 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)
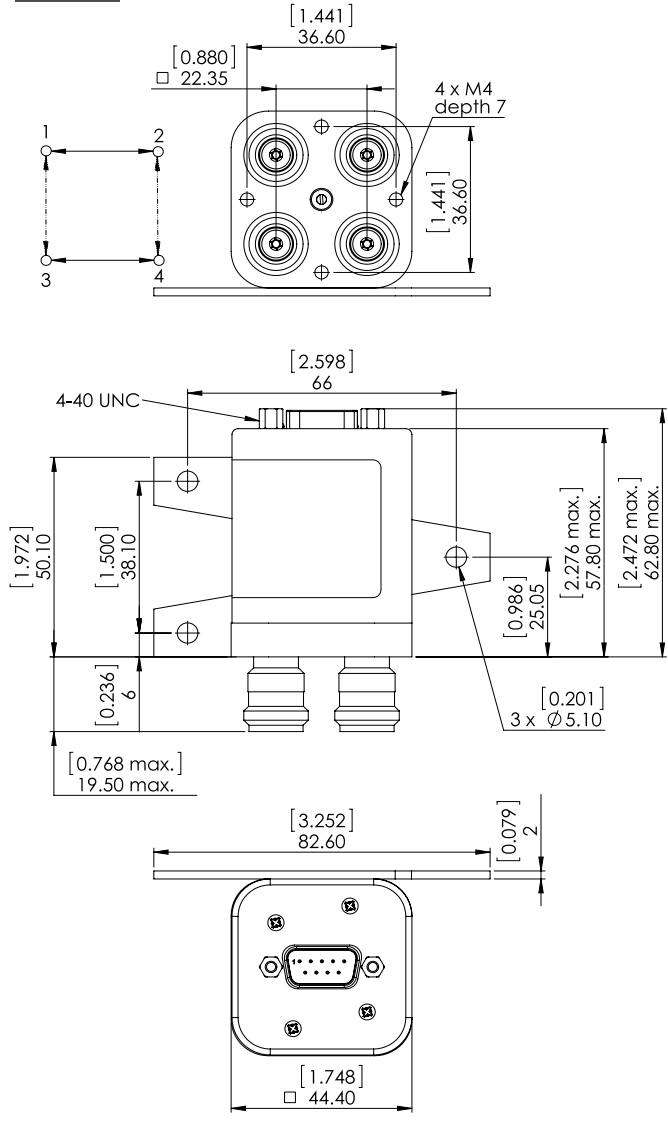(**   At 25° C ±10%)
(***   Nominal voltage ; 25° C)
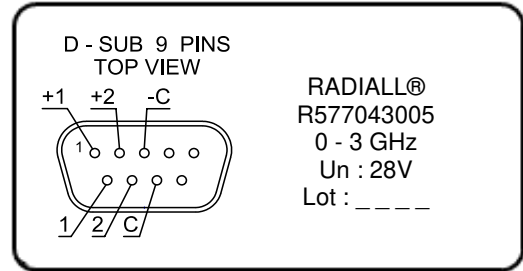
RADIALL

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DRAWING

[1.441]
36.60

[0.880]
□ 22.35

4 x M4
depth 7

[1.441]
36.60

1 2

3 4

[2.598]
66

4-40 UNC

[1.972]
50.10

[1.500]
38.10

[2.276 max.]
57.80 max.

[2.472 max.]
62.80 max.

[0.986]
25.05

[0.236]
6

[0.201]
3 x Ø 5.10

[0.768 max.]
19.50 max.

[3.252]
82.60

[0.079]
2

[1.748]
□ 44.40

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

LABEL

D - SUB 9 PINS
TOP VIEW

+1   +2   -C

1   2   C

RADIALL®
R577043005
0 - 3 GHz
Un : 28V
Lot : _ _ _ _

SCHEMATIC DIAGRAM

Indicator
terminals

2
1
C

Actuator

1

3   2

+1
-C
+2

4

RF input

Power input
terminals
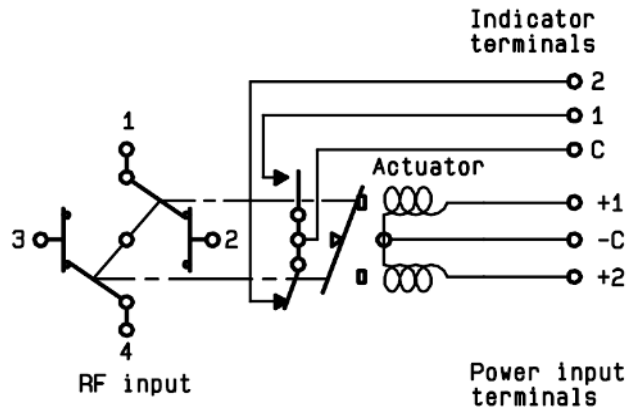
Voltage	RF Continuity	Ind.
-C +1	1 ↔ 3 / 2 ↔ 4	C.1
-C +2	1 ↔ 2 / 3 ↔ 4	C.2