RF CHARACTERISTICS

Frequency range   : **0 - 12.4 GHz**

Impedance   : **50 Ohms**

Frequency (GHz)	DC - 1	1 - 2	2 - 3	3 - 8	8 - 12.4
VSWR max	1.15	1.20	1.25	1.35	1.50
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB	0.50 dB
Isolation min	85 dB	80 dB	75 dB	70 dB	60 dB
Average power (*)	700 W	500 W	400 W	250 W	200 W

ELECTRICAL CHARACTERISTICS

Actuator   : **FAILSAFE**

Nominal current **   : **140 mA**

Actuator voltage (Vcc)   : **28V (24 to 30V)**

Terminals   : **9 pins D-SUB male connector**

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   : **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)

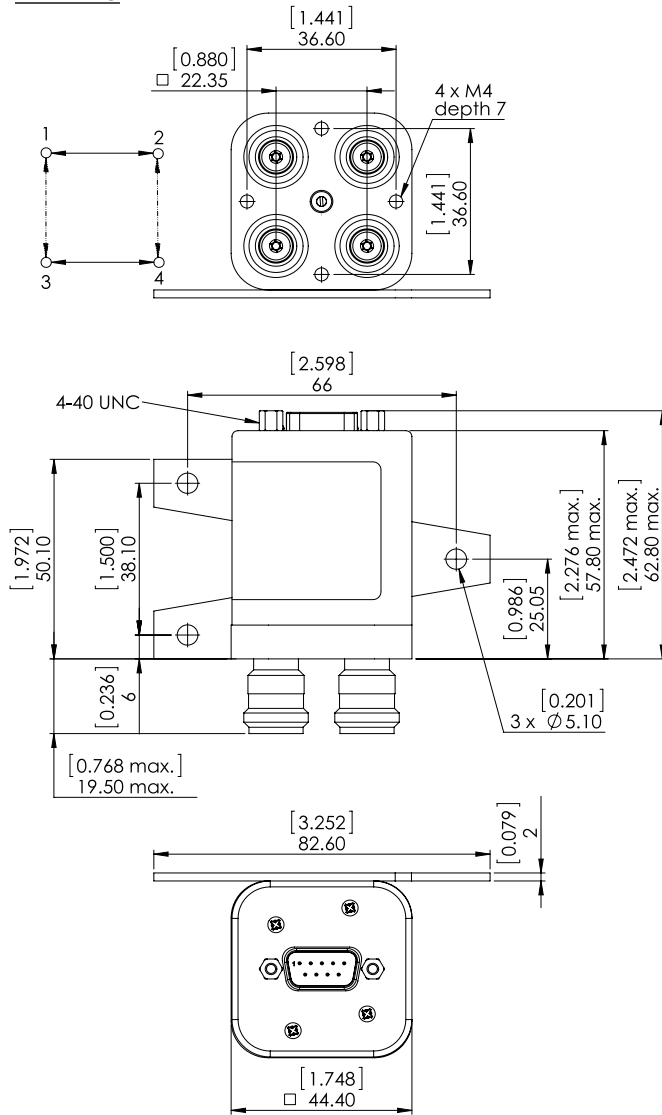(**   At 25° C ±10%)

(*** Nominal voltage ; 25° C)

DRAWING

LABEL

D - SUB 9 PINS
TOP VIEW

E   GND Vcc

RADIALL®
R577113105
0 - 12.4 GHz
Un : 28V
Lot : _ _ _ _

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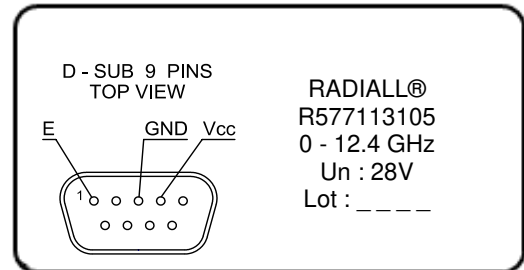
SCHEMATIC DIAGRAM

Position : De energized

RF input

Actuator

Vcc
RTN
E

TTL

Power input
terminals
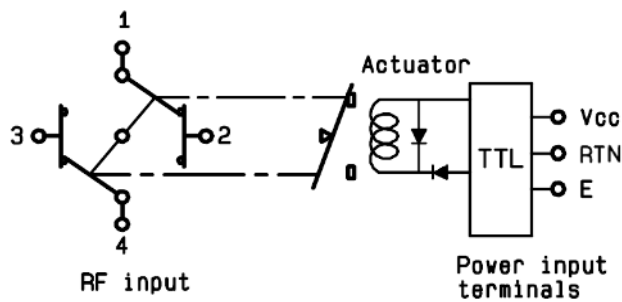
TTL input	RF Continuity
E = 1	1 ↔ 3 / 2 ↔ 4
E = 0	1 ↔ 2 / 3 ↔ 4