RF CHARACTERISTICS

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

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50
VSWR max	1.30	1.40	1.50	1.70	1.90	2.00
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W	5 W

ELECTRICAL CHARACTERISTICS

Actuator   : **LATCHING**
Nominal current **   : **320 mA**
Actuator voltage (Vcc)   : **12V (10.2 to 13V)**
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   : **2.4mm female (Accoding to IEEE STD 287)**
Life   : **2 million cycles**
Switching Time***   : **< 15 ms**
Construction   : **Splashproof**
Weight   : **< 100 g**

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-25°C to +70°C**
Storage temperature range   : **-40°C to +85°C**

(*   Average power at 25°C per RF Path)
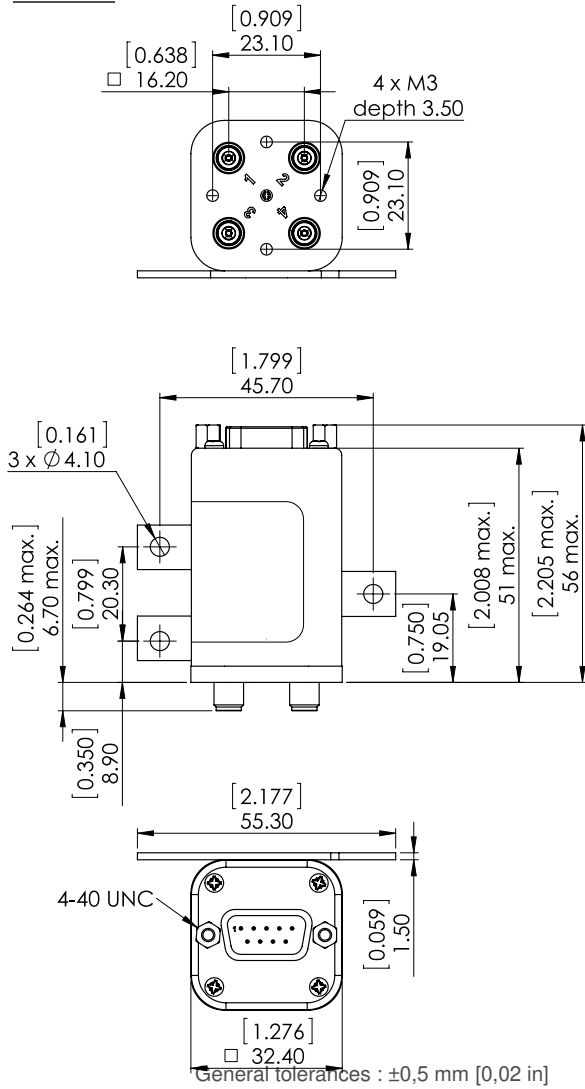(**   At 25° C ±10%)
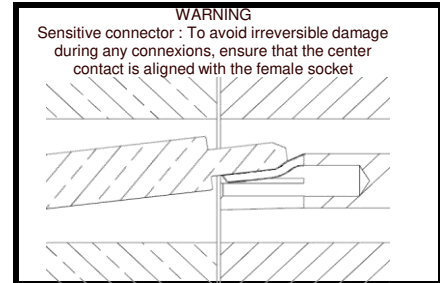(***   Nominal voltage ; 25° C)
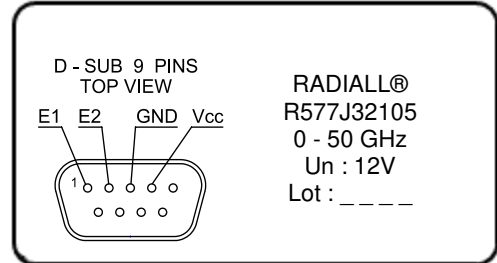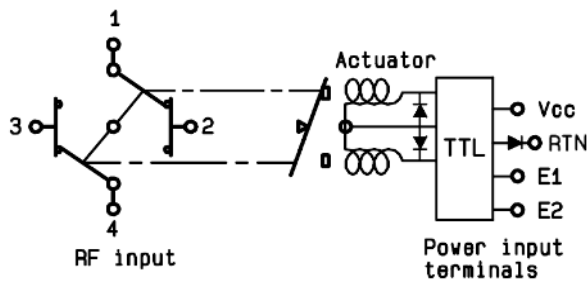
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DRAWING

LABEL

D - SUB 9 PINS
TOP VIEW

E1 E2   GND Vcc

RADIALL®
R577J32105
0 - 50 GHz
Un : 12V
Lot : _ _ _ _

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

WARNING
Sensitive connector : To avoid irreversible damage
during any connexions, ensure that the center
contact is aligned with the female socket

SCHEMATIC DIAGRAM

TTL input	RF Continuity
E1=1 / E2=0	1 ↔ 3 / 2 ↔ 4
E1=0 / E2=1	1 ↔ 2 / 3 ↔ 4
E1=0 / E2=0	Memory
E1=1 / E2=1	Forbidden