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ISSUE 22-03-22

SERIE : DPDT

PART NUMBER : R577912100

RF CHARACTERISTICS

Frequency range : 0 - 2.5 GHz
Impedance : 75 Ohms

| Frequency (GHz) | DC - 1 | 1 - 2.5 |
|--------------------|---------|---------|
| VSWR max | 1.20 | 1.30 |
| Insertion loss max | 0.20 dB | 0.30 dB |
| Isolation min | 80 dB | 70 dB |
| Average power (*) | 400 W | 240 W |

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
Nominal current ** : 340 mA
Actuator voltage (Vcc) : 12V (10.2 to 13V)
Terminals : solder pins (250°C max. / 30 sec.)
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 : 1.6/5.6 female per IEC 169-13
Life : 2.5 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)



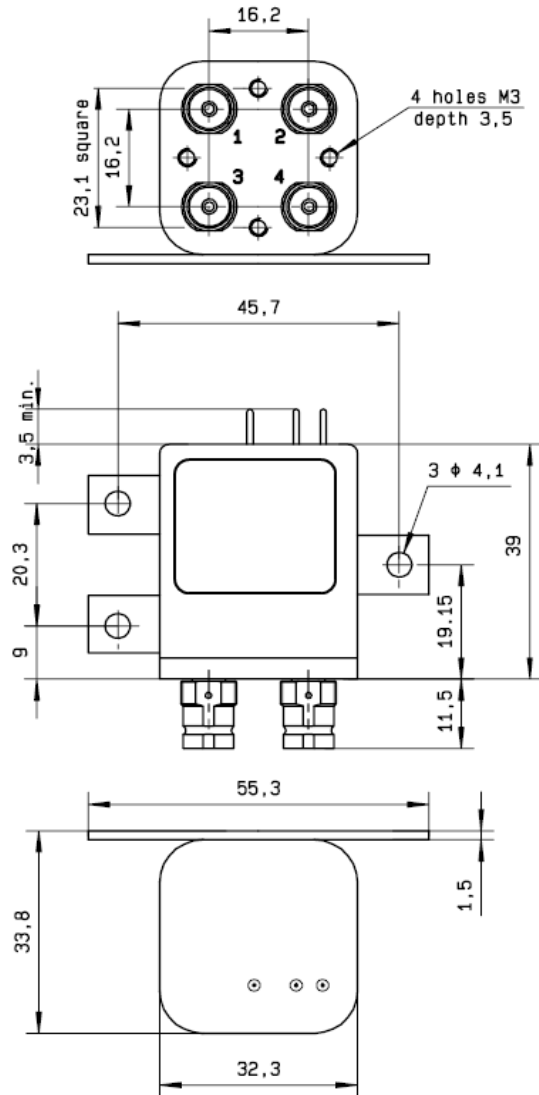
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DRAWING



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



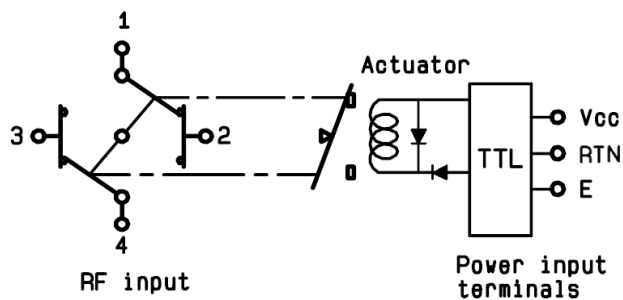
LABEL

E GND Vcc

RADIALL®
R577912100
0 - 2.5 GHz
Un : 12V
Lot : _ _ _ _

SCHEMATIC DIAGRAM

Position : De energized



| TTL input | RF Continuity |
|-----------|---------------|
| E = 1 | 1 ↔ 3 / 2 ↔ 4 |
| E = 0 | 1 ↔ 2 / 3 ↔ 4 |