# **Technical Data Sheet**



DPDT Ramses SMA2.9 40GHz Failsafe Indicators 28Vdc TTL Diodes

D-sub connector with bracket

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577823105

### RF CHARACTERISTICS

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      | 1.90      |
| Insertion loss max | 0.30 dB | 0.40 dB  | 0.50 dB   | 0.70 dB   | 0.80 dB   |
| Isolation min      | 70 dB   | 60 dB    | 60 dB     | 55 dB     | 50 dB     |
| Average power (*)  | 80 W    | 60 W     | 50 W      | 20 W      | 10 W      |

#### **ELECTRICAL CHARACTERISTICS**

Actuator : FAILSAFE
Nominal current \*\* : 140 mA

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

Terminals : 9 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

TTL inputs (E) - High level : 2.2 to 5.5 V / 800μA at 5.5 V

- Low level : 0 to 0.8 V / 20 $\mu$ A at 0.8 V

#### MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012

Life : 2.5 million cycles

Switching Time\*\*\* : < 15 msConstruction : Splashproof
Weight : < 100 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)



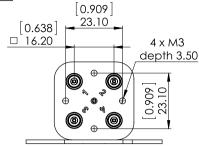


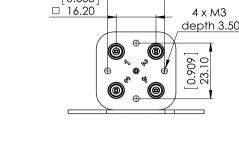


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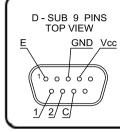
#### **DRAWING**



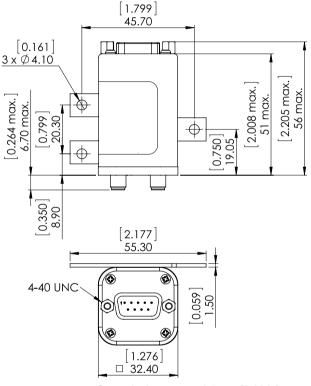




# LABEL

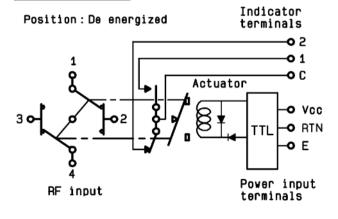


**RADIALL®** R577823105 0 - 40 GHz Un: 28V Lot : \_ \_ \_ \_



General tolerances: ±0,5 mm [0,02 in]

### **SCHEMATIC DIAGRAM**



| TTL input | RF Continuity                               | Ind. |
|-----------|---|------|
| E = 1     | $1 \leftrightarrow 3 / 2 \leftrightarrow 4$ | C.1  |
| E = 0     | $1 \leftrightarrow 2 / 3 \leftrightarrow 4$ | C.2  |