# **Technical Data Sheet**



DPDT Ramses SMA 18GHz Latching 12Vdc Pins Terminals with bracket

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### RF CHARACTERISTICS

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

| Frequency (GHz)    | DC - 3  | 3 - 8   | 8 - 12.4 | 12.4 - 18 |
|--------------------|---------|---------|----------|-----------|
| VSWR max           | 1.20    | 1.30    | 1.40     | 1.50      |
| Insertion loss max | 0.20 dB | 0.30 dB | 0.40 dB  | 0.50 dB   |
| Isolation min      | 80 dB   | 70 dB   | 65 dB    | 60 dB     |
| Average power (*)  | 240 W   | 150 W   | 120 W    | 100 W     |

### **ELECTRICAL CHARACTERISTICS**

Actuator : LATCHING
Nominal current \*\* : 320 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

### MECHANICAL CHARACTERISTICS

Connectors : SMA 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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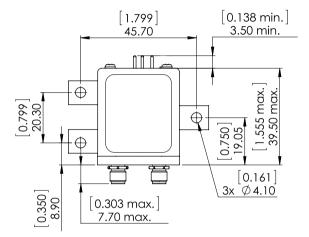


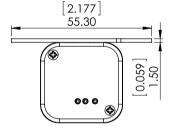


DPDT Ramses SMA 18GHz Latching 12Vdc Pins Terminals with bracket

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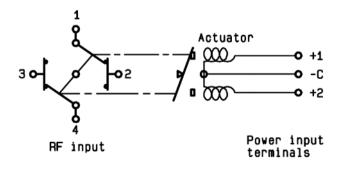
# DRAWING [0.909] 23.10 [0.638] [0.638





General tolerances: ±0,5 mm [0,02 in]

## SCHEMATIC DIAGRAM



# LABEL +1 +2 \*c RADIALL® R577432000 0 - 18 GHz Un : 12V Lot : \_\_\_\_\_

| Voltage | RF Continuity                               |  |  |
|---------|---|--|--|
| -C +1   | $1 \leftrightarrow 3 / 2 \leftrightarrow 4$ |  |  |
| -C +2   | $1 \leftrightarrow 2 / 3 \leftrightarrow 4$ |  |  |