Technical Data Sheet



DPDT Ramses SMA 18GHz Latching 12Vdc D-sub connector with bracket

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577432005

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 : 9 pins D-SUB male connector

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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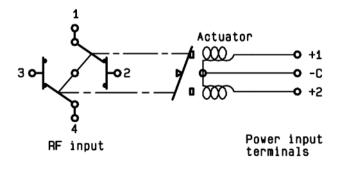
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DPDT Ramses SMA 18GHz Latching 12Vdc D-sub connector with bracket

PAGE **2/2** ISSUE **22-03-22** SERIE: DPDT PART NUMBER: **R577432005 DRAWING** [0.909] 23.10 0.638 □ 16.20 4 x M3 depth 3.50 LABEL [0.909] 23.10 D - SUB 9 PINS TOP VIEW **RADIALL®** <u>+2</u> <u>-C</u> R577432005 0 - 18 GHz [1.799] 45.70 10000 Un: 12V 0000 Lot : _ _ _ _ [0.161] 3 x Ø 4.10 ПП [2.205 max.] 56 max. [2.008 max.] 51 max. [0.303 max.] 7.70 max. [0.799] 20.30 ϕ \oplus [0.350] 8.90 [2.177] 55.30 4-40 UNC (O) 1.276 □ 32.40 General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



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