Technical Data Sheet



DPDT Ramses SMA 18GHz Failsafe 28Vdc D-sub connector with bracket

PAGE 1/2 ISSUE 22-03-22 SERIE : DPDT PART NUMBER : R577413005

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 : **FAILSAFE**Nominal current ** : **140 mA**

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

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)

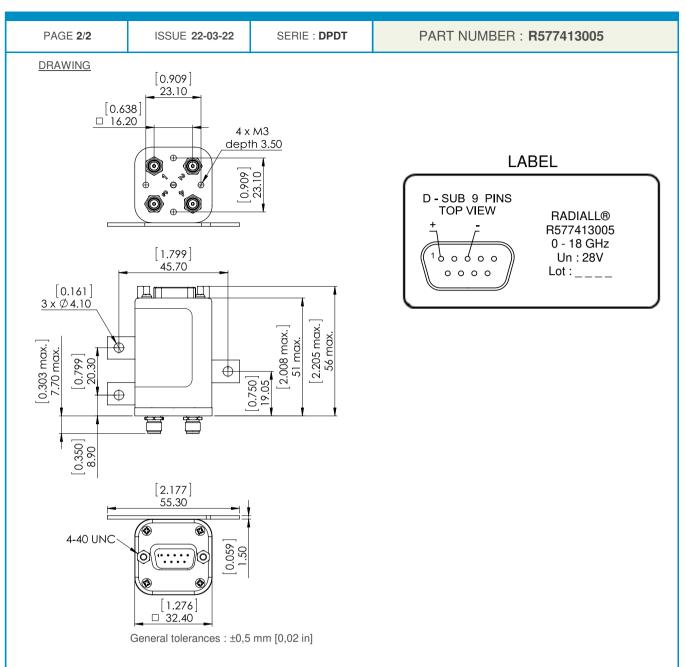


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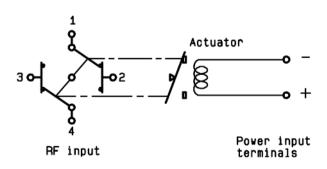


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SCHEMATIC DIAGRAM

Position: De energized



| Voltage | RF Continuity | | |
|--------------|---|--|--|
| energized | $1 \leftrightarrow 3 / 2 \leftrightarrow 4$ | | |
| De-energized | $1 \leftrightarrow 2 / 3 \leftrightarrow 4$ | | |