# **Technical Data Sheet**



SPDT Ramses SMA 18GHz Failsafe Indicators 28Vdc TTL Diodes Pins Terminals

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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           | 1.10    | 1.20    | 1.20     | 1.40      |
| Insertion loss max | 0.15 dB | 0.20 dB | 0.25 dB  | 0.35 dB   |
| Isolation min      | 80 dB   | 75 dB   | 65 dB    | 60 dB     |
| Average power (*)  | 240 W   | 150 W   | 120 W    | 100 W     |

#### **ELECTRICAL CHARACTERISTICS**

Actuator : FAILSAFE
Nominal current \*\* : 102 mA

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

Terminals : solder pins (250°C max. / 30 sec.)

Indicator rating : 1 W / 30 V / 100 mA

TTL inputs (E) - High level : 2.2 to 5.5 V /  $800\mu A$  at 5.5 V

- Low level : 0 to 0.8 V / 20µA at 0.8 V

#### MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012

Life : 10 million cycles

Switching Time\*\*\* : < 10 msConstruction : Splashproof
Weight : < 45 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)

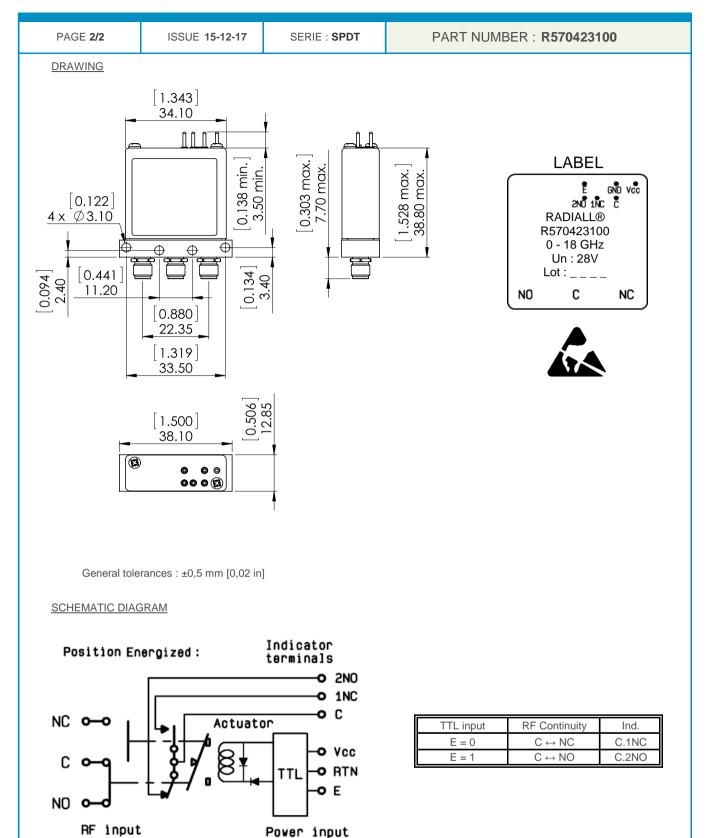


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terminals