Technical Data Sheet



SP4T Ramses SMA 18GHz Latching Self-cut-off Auto-reset Indicators 12Vdc TTL Diodes Pins Terminals

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RF CHARACTERISTICS

Number of ways : 4

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 | 60 dB | 60 dB |
| Average power (*) | 240 W | 150 W | 120 W | 100 W |

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 640 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

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

 $\label{eq:localization} \begin{array}{ll} \text{Indicator rating} & : 1 \text{ W} \, / \, 30 \text{ V} \, / \, 100 \text{ mA} \\ \text{Self cut-off time} & : 40 \text{ ms} < \text{CT} < 120 \text{ ms} \\ \end{array}$

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 / $20\mu A$ at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 5 million cycles per position

Switching Time*** : < 40 ms Construction : Splashproof Weight : < 220 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -40° C to $+85^{\circ}$ C Storage temperature range : -55° C to $+85^{\circ}$ C

(* Average power at 25°C per RF Path)

(** At 25° C ±10%)

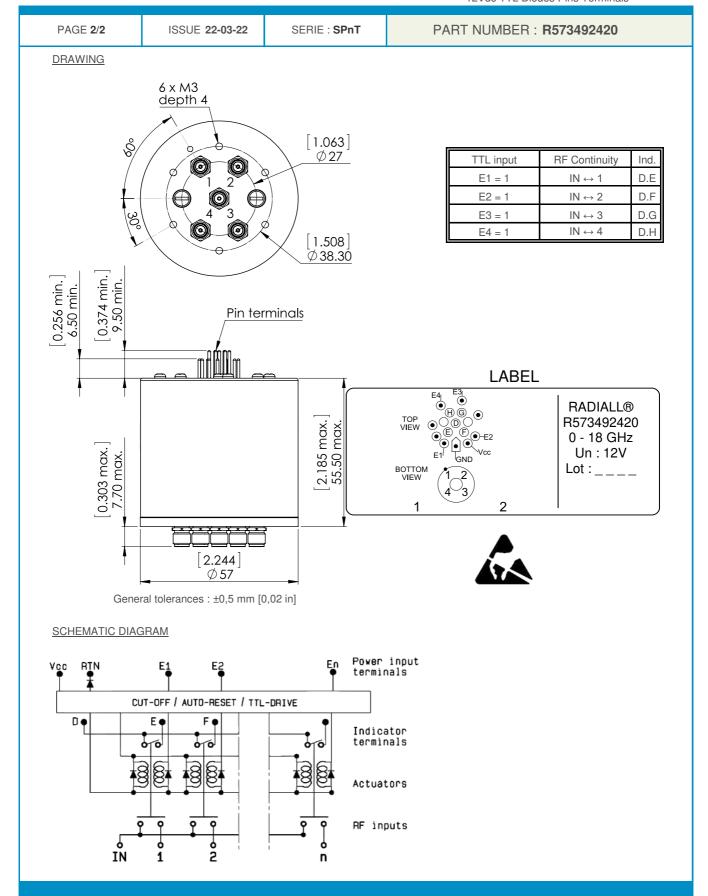
(*** Nominal voltage; 25° C)







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