Technical Data Sheet



SP12T Terminated Ramses SMA 3GHz Normally open 12Vdc TTL Diodes

D-sub connector

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RF CHARACTERISTICS

Number of ways : 12

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 3 |
|--------------------|---------|
| VSWR max | 1.20 |
| Insertion loss max | 0.20 dB |
| Isolation min | 80 dB |
| Average power (*) | 240 W |

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

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

Terminals : 44 pins D-SUB male connector TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA 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 : 2 million cycles per position

Switching Time*** : < 15 ms

Construction : Splashproof

Weight : < 400 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)



Technical Data Sheet

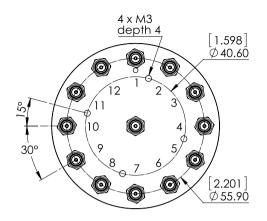


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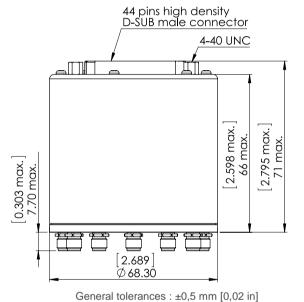
D-sub connector

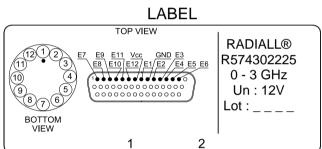
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DRAWING



| TTL input | RF Continuity |
|-----------|------------------------|
| E1 = 1 | $IN \leftrightarrow 1$ |
| E2 = 1 | $IN \leftrightarrow 2$ |
| E3 = 1 | $IN \leftrightarrow 3$ |
| E4 = 1 | $IN \leftrightarrow 4$ |
| E5 = 1 | IN ↔ 5 |
| E6 = 1 | $IN \leftrightarrow 6$ |
| E7 = 1 | $IN \leftrightarrow 7$ |
| E8 = 1 | IN ↔ 8 |
| E9 = 1 | IN ↔ 9 |
| E10 = 1 | IN ↔ 10 |
| E11 = 1 | IN ↔ 11 |
| E12 = 1 | IN ↔ 12 |

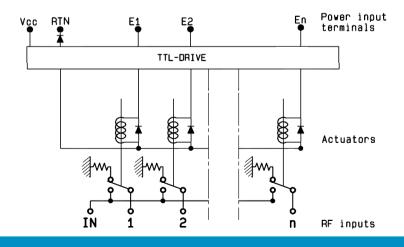






General tolerances . ±0,5 mm [0,02 m

SCHEMATIC DIAGRAM



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