Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc

TTL Diodes Pins Terminals

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RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

| Frequency (GHz) | DC - 6 | 6 - 12.4 | 12.4 - 18 | 18 - 26.5 | 26.5 - 40 |
|--------------------|---------|----------|-----------|-----------|-----------|
| VSWR max | 1.30 | 1.40 | 1.50 | 1.70 | 2.20 |
| Insertion loss max | 0.20 dB | 0.40 dB | 0.50 dB | 0.70 dB | 1.10 dB |
| Isolation min | 70 dB | 60 dB | 60 dB | 55 dB | 50 dB |
| Average power (*) | 40 W | 30 W | 25 W | 15 W | 5 W |

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 125 mA / RESET : 750 mA ****

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

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

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 2.9 female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : <15 ms

Construction : Splashproof

Weight : < 220 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)

(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)





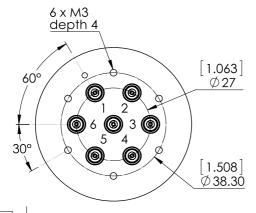


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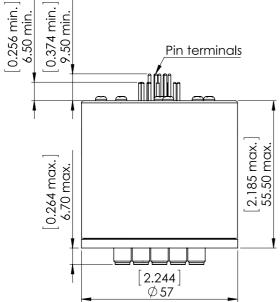
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DRAWING

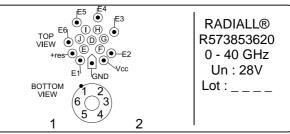


| TTL input | RF Continuity | Ind. |
|-----------|------------------------|------|
| RESET = 1 | All ports open | |
| E1 = 1 | $IN \leftrightarrow 1$ | D.E |
| E2 = 1 | $IN \leftrightarrow 2$ | D.F |
| E3 = 1 | $IN \leftrightarrow 3$ | D.G |
| E4 = 1 | $IN \leftrightarrow 4$ | D.H |
| E5 = 1 | IN ↔ 5 | D.I |
| E6 = 1 | $IN \leftrightarrow 6$ | D.J |



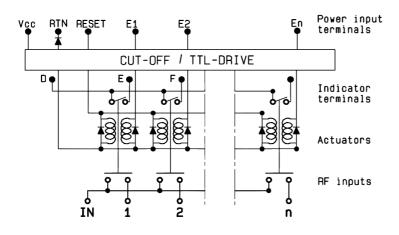
General tolerances: ±0,5 mm [0,02 in]







SCHEMATIC DIAGRAM



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