Technical Data Sheet



SP6T Terminated Ramses SMA2.9 40GHz Latching Indicators 28Vdc Positive common D-sub connector

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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 |

TERMINATION IMPEDANCE : 50 Ohms

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

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

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

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

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

Switching Time*** : <15 ms

Construction : Splashproof

Weight : < 250 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%)





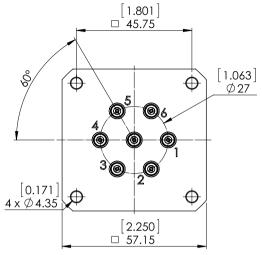


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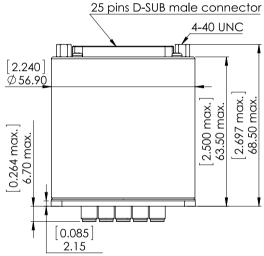
Positive common D-sub connector

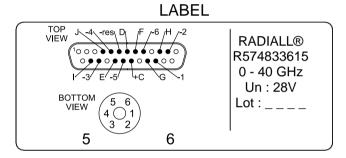
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DRAWING



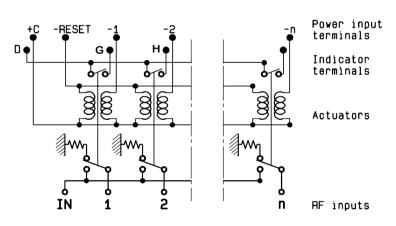
| Voltage | RF Continuity | Ind. |
|-----------|------------------------|------|
| +C -RESET | All ports open | |
| +C -1 | IN ↔ 1 | D.G |
| +C -2 | $IN \leftrightarrow 2$ | D.H |
| +C -3 | IN ↔ 3 | D.I |
| +C -4 | IN ↔ 4 | D.J |
| +C -5 | IN ↔ 5 | D.E |
| +C -6 | IN ↔ 6 | D.F |





General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



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