Technical Data Sheet



SP6T Terminated Ramses SMA 18GHz Latching Self-cut-off Indicators 28Vdc TTL Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 6

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 |

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)

Terminals : 25 pins D-SUB male connector

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

TTL inputs (E) - High level : 2.2 to 5.5 V / 800 μ A at 5.5 V - Low level : 0 to 0.8 V / 20 μ A at 0.8 V

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 15 msConstruction : 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%)



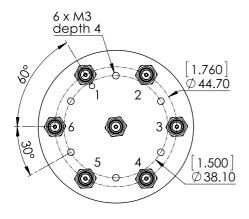




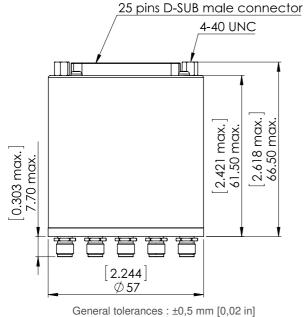
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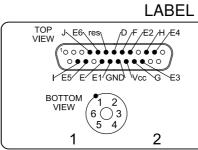
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DRAWING



| TTL input | RF Continuity | Ind. |
|-----------|------------------------|------|
| RESET = 1 | All ports open | |
| E1 = 1 | IN ↔ 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 |

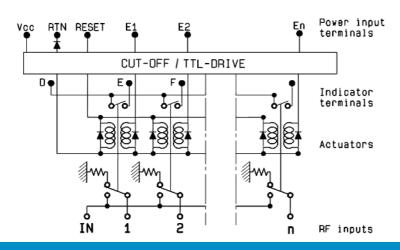




RADIALL® R574453625 0 - 18 GHz Un : 28V Lot : ____



SCHEMATIC DIAGRAM



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