Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Normally open Indicators 12Vdc Diodes

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 | 1.95 |
| Insertion loss max | 0.20 dB | 0.40 dB | 0.50 dB | 0.70 dB | 1.00 dB |
| Isolation min | 80 dB | 70 dB | 70 dB | 60 dB | 55 dB |
| Average power (*) | 40 W | 30 W | 25 W | 15 W | 5 W |

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE 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 : 7 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)







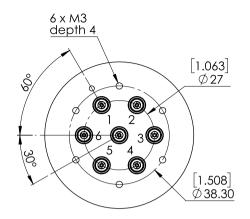
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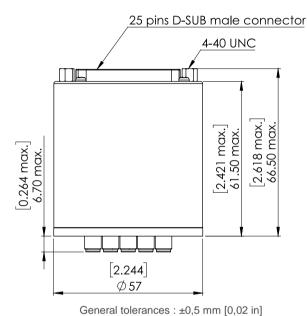
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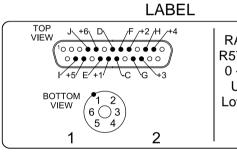
DRAWING

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



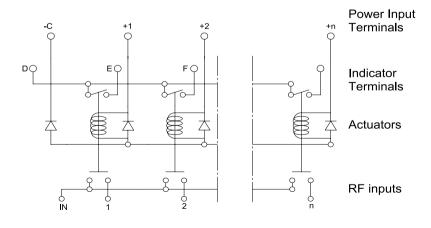


RADIALL® R573812635 0 - 40 GHz Un : 12V Lot : _ _ _



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SCHEMATIC DIAGRAM



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