Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Normally open 12Vdc 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 : NORMALLY OPEN

Nominal current ** : 250 mA

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

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

TTL inputs (E) - High level : $2.2 \text{ to } 5.5 \text{ V} / 800 \mu\text{A} \text{ at } 5.5 \text{ V}$

- 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 msConstruction : 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)



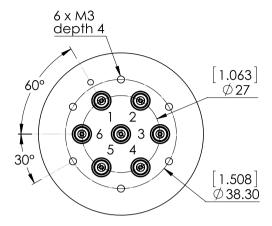
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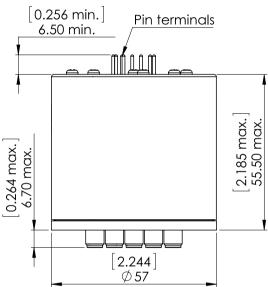
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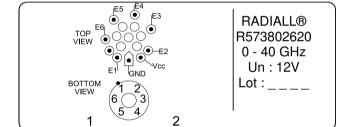
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DRAWING



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	$IN \leftrightarrow 6$		



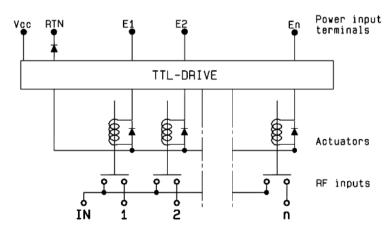


LABEL

General tolerances: ±0,5 mm [0,02 in]

Es.

SCHEMATIC DIAGRAM



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