Technical Data Sheet



SP5T Terminated Ramses SMA 18GHz Normally open 12Vdc TTL Diodes

Pins Terminals

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RF CHARACTERISTICS

Number of ways : 5

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 : 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 to 5.5 V / 800μA 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)



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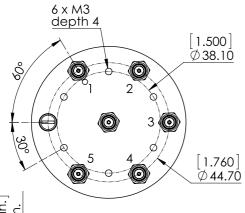


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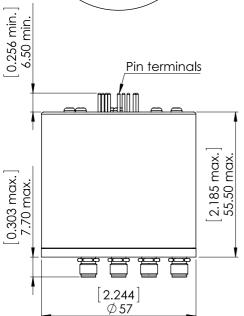
Pins Terminals

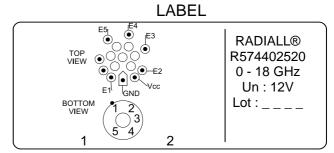
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DRAWING



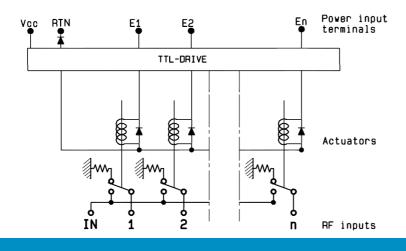
TTL input	RF Continuity	
E1 = 1	$IN \leftrightarrow 1$	
E2 = 1	$IN \leftrightarrow 2$	
E3 = 1	$IN \leftrightarrow 3$	
E4 = 1	$IN \leftrightarrow 4$	
E5 = 1	$IN \leftrightarrow 5$	





General tolerances: ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



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