Technical Data Sheet



SP3T Terminated Ramses SMA 26.5GHz Latching 12Vdc TTL Diodes

D-sub connector

PAGE 1/2 ISSUE 25-11-22 SERIE : SPnT PART NUMBER : R574F22325

RF CHARACTERISTICS

Number of ways : 3

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18-26.5
VSWR max	1,20	1,30	1,40	1,50	1,70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	100 W	40 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 ** : 320 mA / RESET : 960 mA ****

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

Terminals : 25 pins D-SUB male connector TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA at 5.5 V

- Low level : **0 to 0.8 V / 20μA at 0.8 V**

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 3 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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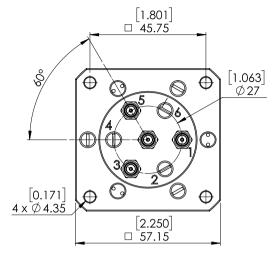


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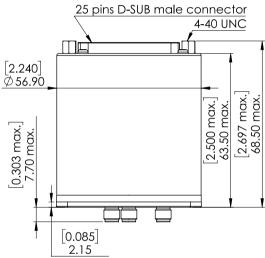
D-sub connector



DRAWING



TTL input	RF Continuity		
RESET = 1	All ports open		
E1 = 1	IN ↔ 1		
E3 = 1	IN ↔ 3		
E5 = 1	$IN \leftrightarrow 5$		

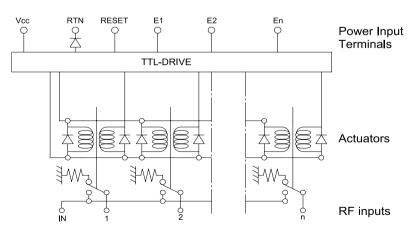


General tolerances: ±0,5 mm [0,02 in]

LABEL res **RADIALL®** 100000 0000000 R574F22325 00,00,,,000 0 - 26.5 GHz E5 GND Vcc E1 Un: 12V Lot : _ _ _ BOTTOM VIEW 5 1



SCHEMATIC DIAGRAM



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