Technical Data Sheet



SP3T Terminated Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc TTL Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 3

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

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 : 375 mA ****

Actuator voltage (Vcc) : 28V (24 to 30V)

Terminals : 25 pins D-SUB male connector

Indicator rating : 1 W / 30 V / 100 mASelf cut-off time : 40 ms < CT < 120 msTTL 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 : < 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%)



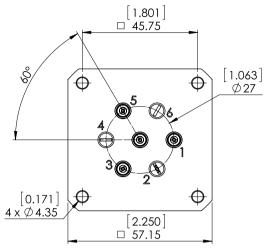




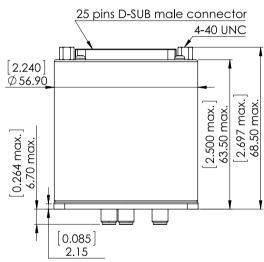
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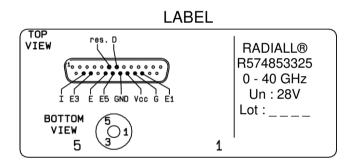
DRAWING



TTL input	RF Continuity	Ind.
RESET = 1	All ports open	
E1 = 1	IN ↔ 1	D.G
E3 = 1	$IN \leftrightarrow 3$	D.I
E5 = 1	$IN \leftrightarrow 5$	D.E

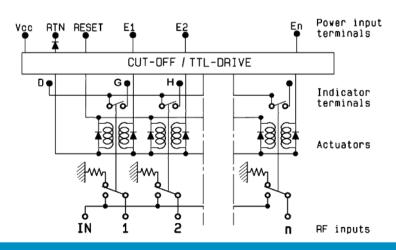


General tolerances: ±0,5 mm [0,02 in]





SCHEMATIC DIAGRAM



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