Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc

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 : LATCHING

Nominal current ** : 125 mA / RESET : 750 mA ****

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

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

- 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)

(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)



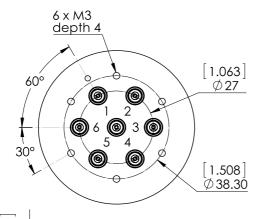




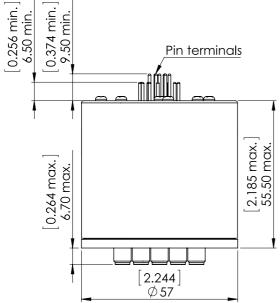
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DRAWING

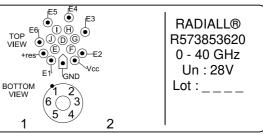


TTL input	RF Continuity	Ind.
RESET = 1	All ports open	
E1 = 1	$IN \leftrightarrow 1$	D.E
E2 = 1	$IN \leftrightarrow 2$	D.F
E3 = 1	$IN \leftrightarrow 3$	D.G
E4 = 1	$IN \leftrightarrow 4$	D.H
E5 = 1	IN ↔ 5	D.I
E6 = 1	IN ↔ 6	D.J



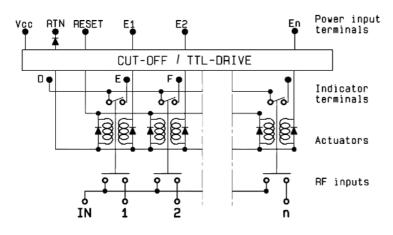
General tolerances: ±0,5 mm [0,02 in]

LABEL





SCHEMATIC DIAGRAM



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