



SP8T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc BCD TTL Diodes Pins Terminals

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RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18
VSWR max	1.20	1.30	1.40	1.50	1.60
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 960 mA

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

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

Self cut-off time : 40 ms < CT < 120 ms

BCD inputs (E) - High level : **3.5 to 5.5 V / 800μA at 5.5 V**

- Low level : 0 to 1.5 V / 20μA at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 2 million cycles per position

Switching Time*** : < 50 msConstruction : Splashproof
Weight : < 280 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)



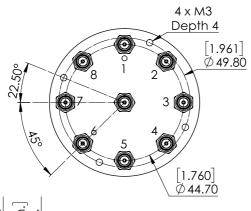




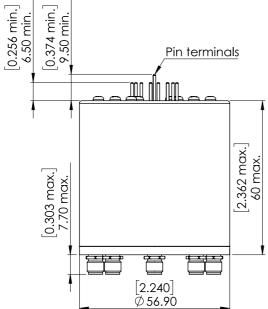
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DRAWING



BCD TRUTH TABLE							
E4	E3	E2	E1 RF continuity				
0	0	0	0	All ports open (Forced Reset)			
0	0	0	1	IN ↔ 1			
0	0	1	0	$IN \leftrightarrow 2$			
0	0	1	1	$IN \leftrightarrow 3$			
0	1	0	0	IN ↔ 4			
0	1	0	1	IN ↔ 5			
0	1	1	0	IN ↔ 6			
0	1	1	1	$IN \leftrightarrow 7$			
1	0	0	0	$IN \leftrightarrow 8$			





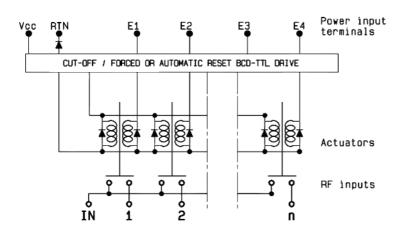
TOP VIEW

RADIALL® R573482880 0 - 18 GHz Un : 12V Lot : ____



LABEL

SCHEMATIC DIAGRAM



General tolerances: ±0,5 mm [0,02 in]

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