



SP4T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc BCD TTL Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 4

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

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 640 mA

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

Terminals : 25 pins D-SUB male connector

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

BCD inputs (E) - High level : 3.5 to 5.5 V / 800 μ A 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 : 5 million cycles per position

Switching Time*** : < 40 ms Construction : 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)



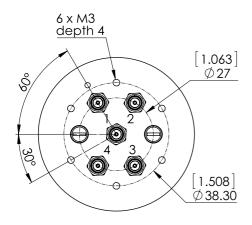




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DRAWING

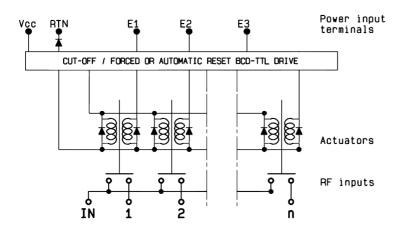


	BCD TRUTH TABLE				
E3	E2	E1	RF continuity		
0	0	0	All ports open (Forced Reset)		
0	0	1	IN ↔ 1		
0	1	0	$IN \leftrightarrow 2$		
0	1	1	$IN \leftrightarrow 3$		
1	0	0	$IN \leftrightarrow 4$		

25 pins D-SUB male connector 4-40 UNC 12.421 max. [2.26] 8 max. [2.26] 8 max. [2.244] \$\phi\$ 57

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

SCHEMATIC DIAGRAM



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