Technical Data Sheet



SP3T Terminated Ramses SMA 18GHz Normally open 12Vdc BCD TTL

Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 3

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

TERMINATION IMPEDANCE : 50 Ohms

TERM. AVG. POWER AT 25° C : 1 W per termination / 3 W total power

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

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

Terminals : 25 pins D-SUB male connector BCD inputs (E) - High level : 3.5 to 5.5 V / 800µA at 5.5 V

- Low level : 0 to 1.5 V / $20\mu A$ at 0.8 V

MECHANICAL CHARACTERISTICS

Connectors : SMA 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)



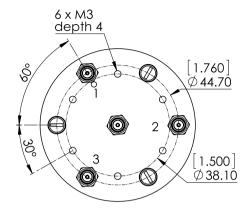
Technical Data Sheet



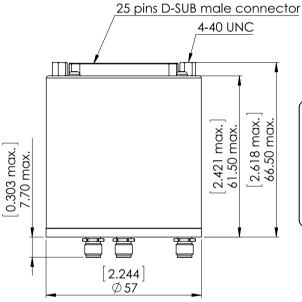
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DRAWING

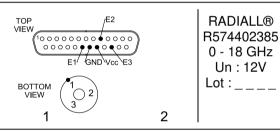


BCD TRUTH TABLE				
E3	E2	E1	RF continuity	
0	0	0	Last Position	
1	1	1	All ports open	
0	0	1	IN ↔ 1	
0	1	0	$IN \leftrightarrow 2$	
0	1	1	$IN \leftrightarrow 3$	



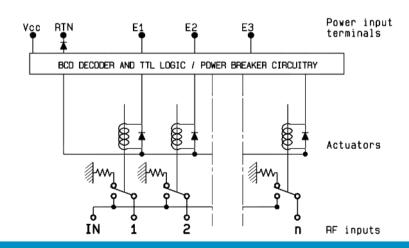
General tolerances: ±0,5 mm [0,02 in]

LABEL





SCHEMATIC DIAGRAM



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