Technical Data Sheet



SP8T Terminated Ramses SMA 3GHz Normally open 28Vdc BCD TTL

Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3
VSWR max	1.20
Insertion loss max	0.20 dB
Isolation min	80 dB
Average power (*)	240 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 ** : 102 mA

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

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 : < 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)



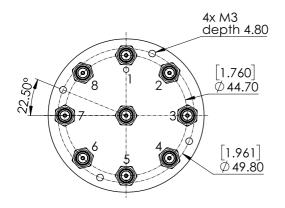
Technical Data Sheet



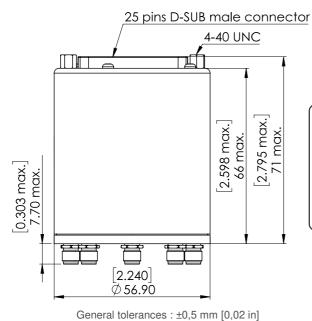
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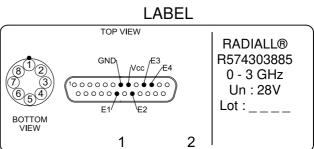
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DRAWING



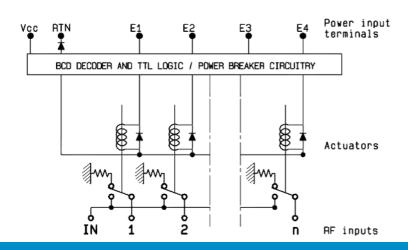
BCD TRUTH TABLE				
E4	E3	E2	E1	RF continuity
0	0	0	0	Last Position
1	1	1	1	All ports open
0	0	0	1	$IN \leftrightarrow 1$
0	0	1	0	$IN \leftrightarrow 2$
0	0	1	1	$IN \leftrightarrow 3$
0	1	0	0	$IN \leftrightarrow 4$
0	1	0	1	IN ↔ 5
0	1	1	0	IN ↔ 6
0	1	1	1	$IN \leftrightarrow 7$
1	0	0	0	IN ↔ 8







SCHEMATIC DIAGRAM



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