Technical Data Sheet



SP6T Terminated Ramses SMA2.9 40GHz Normally open 28Vdc BCD

TTL Drive D-sub connector

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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

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 / 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 ms

Construction : 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)



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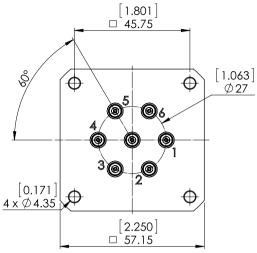


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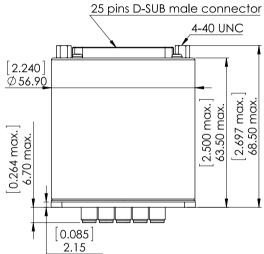
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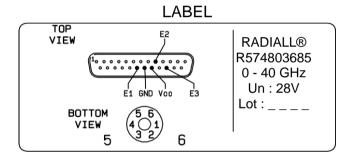
DRAWING



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

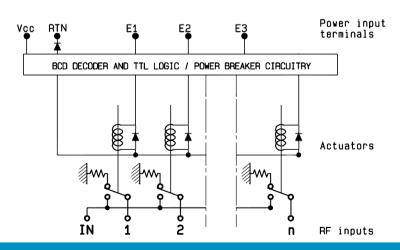


General tolerances: ±0,5 mm [0,02 in]





SCHEMATIC DIAGRAM



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