Technical Data Sheet



SP12T Terminated Ramses SMA 12.4GHz Latching Self-cut-off Auto-reset 12Vdc TTL Diodes D-sub connector

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RF CHARACTERISTICS

Number of ways : 12

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1,20	1,40	1,60
Insertion loss max	0.20 dB	0.40 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	240 W	150 W	120 W

TERMINATION IMPEDANCE : 50 Ohms

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

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 1280 mA

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

Terminals : 44 pins D-SUB male connector

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

TTL inputs (E) - High level : **2.2 to 5.5 V / 800μA at 5.5 V**

- Low level : 0 to 0.8 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 : < 400 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)



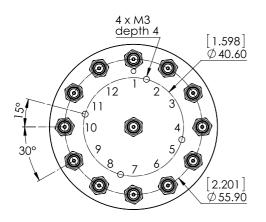




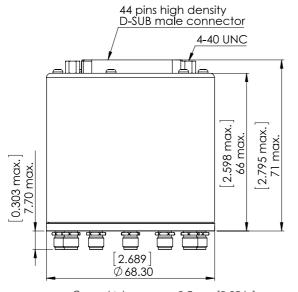
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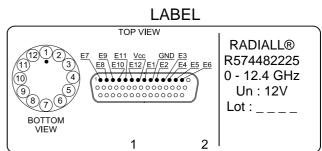
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DRAWING



TTL input	RF Continuity	
E1 = 1	$IN \leftrightarrow 1$	
E2 = 1	$IN \leftrightarrow 2$	
E3 = 1	$IN \leftrightarrow 3$	
E4 = 1	$IN \leftrightarrow 4$	
E5 = 1	IN ↔ 5	
E6 = 1	IN ↔ 6	
E7 = 1	$IN \leftrightarrow 7$	
E8 = 1	IN ↔ 8	
E9 = 1	IN ↔ 9	
E10 = 1	IN ↔ 10	
E11 = 1	IN ↔ 11	
E12 = 1	IN ↔ 12	

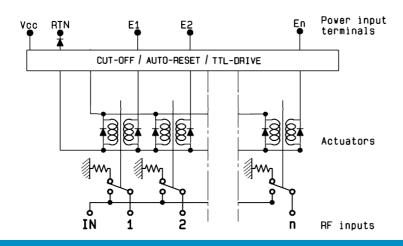






General tolerances : ±0,5 mm [0,02 in]

SCHEMATIC DIAGRAM



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