Technical Data Sheet



SP8T Ramses SMA 18GHz Latching Self-cut-off Auto-reset 28Vdc

TTL Diodes Pins Terminals

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RF CHARACTERISTICS

Number of ways : 8

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 16	16 - 18
VSWR max	1.20	1.30	1.40	1.50	1.60
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.55 dB	0.60 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	110 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING
Nominal current ** : 375 mA

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

Terminals : solder pins (250°C max. / 30 sec.)

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 ms

Construction : 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)



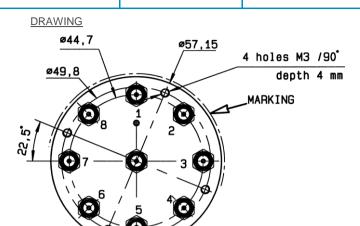




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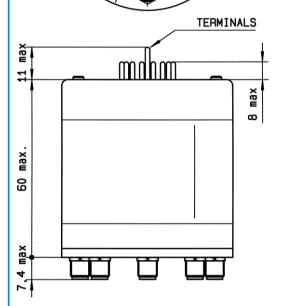
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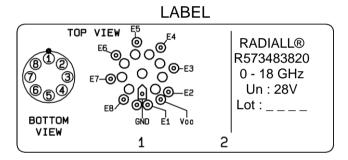
SERIE: SPnT PART NUMBER: R573483820



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TTL input	RF Continuity		
E1 = 1	IN ↔ 1		
E2 = 1	$IN \leftrightarrow 2$		
E3 = 1	$IN \leftrightarrow 3$		
E4 = 1	IN ↔ 4		
E5 = 1	IN ↔ 5		
E6 = 1	IN ↔ 6		
E7 = 1	IN ↔ 7		
E8 = 1	IN ↔ 8		

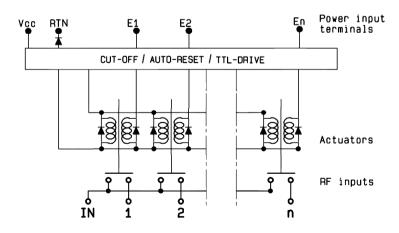






General tolerances : ± 0.5 mm [0,02 in]

SCHEMATIC DIAGRAM



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