Technical Data Sheet



SP5T Ramses SMA2.9 40GHz Latching 28Vdc Positive common Diodes

Pins Terminals

PAGE 1/2 ISSUE 09-04-19 SERIE : SPNT PART NUMBER : R573823540

RF CHARACTERISTICS

Number of ways : 5

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

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 125 mA / RESET : 625 mA ****

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : <15 ms

Construction : Splashproof

Weight : < 220 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)

(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)



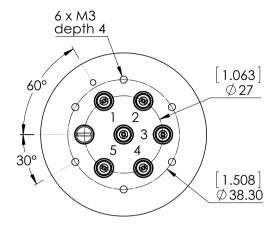




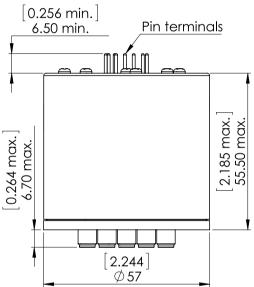
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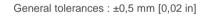
PAGE 2/2 ISSUE 09-04-19 SERIE : SPnT PART NUMBER : R573823540

DRAWING

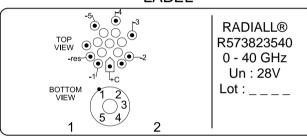


Voltage	RF Continuity	
+C -RESET	All ports open	
+C -1	$IN \leftrightarrow 1$	
+C -2	$IN \leftrightarrow 2$	
+C -3	IN ↔ 3	
+C -4	$IN \leftrightarrow 4$	
+C -5	IN ↔ 5	



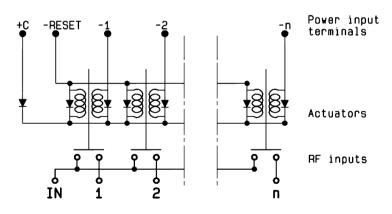


LABEL





SCHEMATIC DIAGRAM



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