Technical Data Sheet



SP4T Ramses SMA 18GHz Latching Indicators 28Vdc Positive common

Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573433410

RF CHARACTERISTICS

Number of ways : 4

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.20	1.30	1.40	1.50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 125 mA / RESET : 500 mA ****

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

Indicator rating : 1 W / 30 V / 100 mA

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 5 million cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 180 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%)



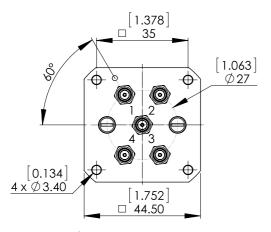




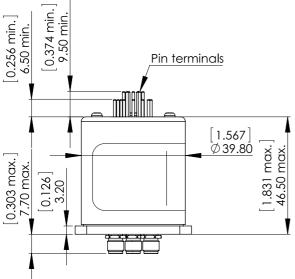
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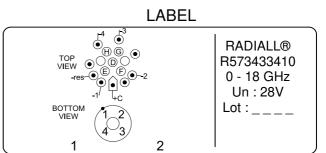
PAGE 2/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573433410

DRAWING



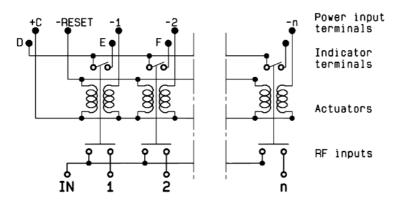
Voltage	RF Continuity	Ind.
+C -RESET	All ports open	
+C -1	IN ↔ 1	D.E
+C -2	$IN \leftrightarrow 2$	D.F
+C -3	$IN \leftrightarrow 3$	D.G
+C -4	$IN \leftrightarrow 4$	D.H





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

SCHEMATIC DIAGRAM



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