Technical Data Sheet



SP4T Ramses SMA 18GHz Latching Self-cut-off Indicators 28Vdc

TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573453420

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)

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

 $\label{eq:localization} \mbox{Indicator rating} \qquad \qquad : \ 1 \ \mbox{W} \ / \ 100 \ \mbox{mA} \\ \mbox{Self cut-off time} \qquad \qquad : \ 40 \ \mbox{ms} < \mbox{CT} < 120 \ \mbox{ms} \\ \mbox{N} \ \mbox{M} \ \mbox{M} \ \mbox{M} \\ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \\ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \\ \mbox{M} \ \mbox{M} \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \ \mbox{M} \mbox{M} \mbox{M} \ \mbox{M} \mbox{M} \mbox{M} \mbox{M} \mbox{M} \$

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 : 5 million cycles per position

Switching Time*** : < 15 msConstruction : 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)

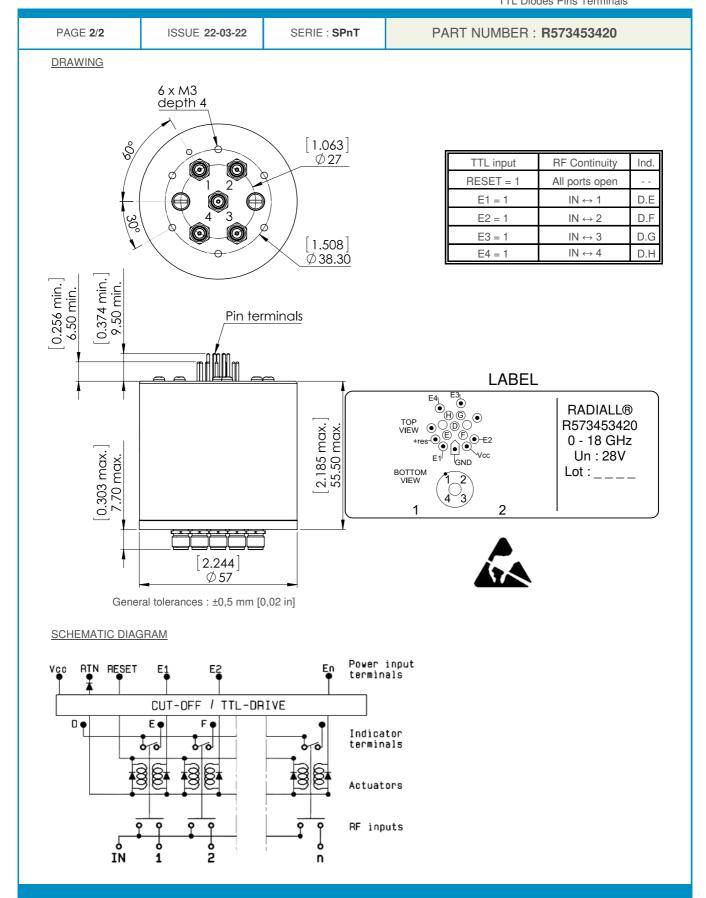
(**** Reset : supply voltage time 1sec. max. / duty cycle 10%)







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