Technical Data Sheet



SP4T Terminated Ramses SMA 18GHz Latching Self-cut-off Indicators 28Vdc Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574453400

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

TERMINATION IMPEDANCE : 50 Ohms

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

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

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

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

 $\label{eq:localization} \begin{array}{ll} \text{Indicator rating} & : \ 1 \ \text{W} \ / \ 30 \ \text{V} \ / \ 100 \ \text{mA} \\ \text{Self cut-off time} & : \ 40 \ \text{ms} < \text{CT} < 120 \ \text{ms} \\ \end{array}$

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 250 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: **R574453400 DRAWING** 6 x M3 depth 4 [1.500] \emptyset 38.10 ŝ Voltage RF Continuity -C +RESET All ports open -C +1 $IN \leftrightarrow 1$ D.E D.F $IN \leftrightarrow 2$ -C +2 -C +3 IN ↔ 3 D.G [1.760] $\text{IN} \leftrightarrow 4$ -C +4 D.H Ø 44.70 [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. Pin terminals **LABEL RADIALL®** [2.185 max.] 55.50 max. R574453400 0 - 18 GHz [0.303 max.] 7.70 max. Un: 28V Lot : _ _ _ _ BOTTOM VIEW 2 1 2.244 Ø 57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input terminals +RESET CUT-OFF Dφ F e E e Indicator terminals Actuators IN 1 RF inputs n

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