Technical Data Sheet



SP8T Terminated Ramses SMA 18GHz Latching 12Vdc Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574422800

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

TERMINATION IMPEDANCE : 50 Ohms

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

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 320 mA / RESET : 2560 mA ****

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 15 msConstruction : 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)

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



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PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R574422800 DRAWING** Voltage RF Continuity 4 x M3 -C +RESET All ports open Depth 4 -C +1 IN ↔ 1 -C +2 $\text{IN} \leftrightarrow 2$ [1.961] -C +3 $IN \leftrightarrow 3$ Ø 49.80 -C +4 $\text{IN} \leftrightarrow 4$ -C +5 $IN \leftrightarrow 5$ -C +6 $IN \leftrightarrow 6$ $\mathsf{IN} \leftrightarrow \mathsf{7}$ -C +7 -C +8 IN ↔ 8 [1.760] Ø 44.70 0.374 min. [0.256 min.] 6.50 min. Pin terminals LABEL **RADIALL®** R574422800 [1.969 max.] 50 max. 0 - 18 GHz [0.303 max.] 7.70 max. Un: 12V Lot : _ _ _ _ BOTTOM VIEW 1 2.240 Ø 56.90 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power Input +RESET Terminals. Actuators RF inputs

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