Technical Data Sheet



SP6T Terminated Ramses SMA 18GHz Latching Self-cut-off Indicators 28Vdc Diodes Pins Terminals

PAGE 1/2 ISSUE 10-07-19 SERIE : SPnT PART NUMBER : R574453600

RF CHARACTERISTICS

Number of ways : 6

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 : 750 mA ****

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

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

MECHANICAL CHARACTERISTICS

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

Switching Time*** : <15 ms

Construction : 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 10-07-19 SERIE: SPnT PART NUMBER: **R574453600 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 Voltage RF Continuity Ind. -C +RESET All ports open -C +1 $IN \leftrightarrow 1$ D.E D.F -C +2 $IN \leftrightarrow 2$ -C +3 $IN \leftrightarrow 3$ D.G 1.760 Ø 44.70 $\text{IN} \leftrightarrow 4$ D.H -C +4 [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. -C +5 $IN \leftrightarrow 5$ D.I $IN \leftrightarrow 6$ -C +6 D.J Pin terminals LABEL +6 1 B 6 **RADIALL®** [2.185 max.] 55.50 max. R574453600 [0.303 max.] 7.7<u>0</u> max. 0 - 18 GHz Un: 28V Lot : _ _ _ _ BOTTOM VIEW 2 1 [2.244] \emptyset 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input terminals +RESET CUT-OFF D∳ Εφ Indicator terminals Actuators ĪN RF inputs n

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