Technical Data Sheet



SP6T Terminated Ramses SMA 3GHz Latching Self-cut-off Indicators 12Vdc TTL Diodes Pins Terminals

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RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 3 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3
VSWR max	1.20
Insertion loss max	0.20 dB
Isolation min	80 dB
Average power (*)	240 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 : 1920 mA ****

Actuator voltage (Vcc) : 12V (10.2 to 13V)

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

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

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 : 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 11-04-17 SERIE: SPnT PART NUMBER: **R574352620 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 TTL input RF Continuity Ind. RESET = 1 All ports open $IN \leftrightarrow 1$ D.E E1 = 1D.F $IN \leftrightarrow 2$ E2 = 1E3 = 1IN ↔ 3 D.G 1.760 Ø 44.70 $IN \leftrightarrow 4$ D.H E4 = 1[0.256 min.] 6.50 min. [0.374 min.] 9.50 min. $IN \leftrightarrow 5$ D.I E5 = 1 $IN \leftrightarrow 6$ E6 = 1D.J Pin terminals **LABEL RADIALL®** TOP [2.185 max.] 55.50 max. R574352620 [0.303 max.] 7.70 max. 0 - 3 GHz GND Vcc Un: 12V Lot : _ _ _ _ воттом VIEW 1 2.244 \emptyset 57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input terminals RTN RESET E1 E2 CUT-OFF / TTL-DRIVE D∳ Εφ Indicator terminals Actuators IN RF inputs n

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