Technical Data Sheet



SP6T Ramses SMA 18GHz Latching Self-cut-off Indicators 28Vdc

Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R573453600

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

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.)

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

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012
Life : 5 million cycles per position

Switching Time*** : < 15 ms

Construction : 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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PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R573453600 DRAWING** 6 x M3 depth 4 1.063 ŝ $\emptyset 27^{-}$ Voltage RF Continuity Ind. 0 0 -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 [1.508] $\text{IN} \leftrightarrow 4$ D.H -C +4 0.886-C +5 $IN \leftrightarrow 5$ D.I [0.256 min.] 6.50 min. $\text{IN} \leftrightarrow 6$ -C +6 D.J Pin terminals **LABEL** +6 1 H • E × F • • **RADIALL®** R573453600 [2.185 max.] 55.50 max. 0 - 18 GHz [0.303 max.] 7.70 max. 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∳ F • E e Indicator

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Actuators

RF inputs