Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc

TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 10-04-25 SERIE : SPnT PART NUMBER : R573853620

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	1.95
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.00 dB
Isolation min	80 dB	70 dB	70 dB	60 dB	55 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 125 mA / RESET : 750 mA ****

Actuator voltage (Vcc) : 28V (24 to 30V)

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

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 2.9 female per MIL-C 39012
Life : 7 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%)



Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Latching Self-cut-off Indicators 28Vdc
TTL Diodes Pins Terminals

PAGE **2/2** ISSUE 10-04-25 SERIE: SPnT PART NUMBER: **R573853620 DRAWING** 6 x M3 depth 4 1.063 60° 6 Ø 27 TTL input RF Continuity RESET = 1 All ports open $IN \leftrightarrow 1$ D.E **(6)** 3 E1 = 1D.F $IN \leftrightarrow 2$ E2 = 130° $IN \leftrightarrow 3$ D.G E3 = 11.508 $\text{IN} \leftrightarrow 4$ D.H E4 = 1Ø38.30 $IN \leftrightarrow 5$ D.I E5 = 1 $IN \leftrightarrow 6$ E6 = 1D.J 0.374 min. Pin terminals LABEL **RADIALL®** TOP J B G F +res-• F F R573853620 [2.185 max.] 55.50 max. 0 - 40 GHz [0.264 max.] 6.70 max. Un: 28V Lot : _ _ _ _ BOTTOM VIEW 1 [2.244] \emptyset 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM RTN RESET E1 E2 Vcc En Power Input Terminals CUT-OFF / TTL-DRIVE ΕQ Indicator Terminals Actuators RF inputs

This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.