Technical Data Sheet



SP6T Terminated Ramses SMA 26.5GHz Latching Self-cut-off 28Vdc Diodes Pins Terminals

PAGE 1/2 ISSUE 25-11-22 SERIE : SPnT PART NUMBER : R574F43600

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 26.5 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18-26.5
VSWR max	1,20	1,30	1,40	1,50	1,70
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB	0.70 dB
Isolation min	80 dB	70 dB	60 dB	60 dB	50 dB
Average power (*)	240 W	150 W	120 W	100 W	40 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.)

Self cut-off time : 40 ms < CT < 120 ms

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012 Life : 3 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%)







SP6T Terminated Ramses SMA 26.5GHz Latching Self-cut-off 28Vdc Diodes Pins Terminals

PAGE **2/2** ISSUE **25-11-22** SERIE: SPnT PART NUMBER: R574F43600 **DRAWING** [1.801] 45.75 \oplus RF Continuity Voltage [1.063] \emptyset 27 -C +RESET All ports open -C +1 $IN \leftrightarrow 1$ $IN \leftrightarrow 2$ -C +2 -C +3 $IN \leftrightarrow 3$ $\text{IN} \leftrightarrow 4$ -C +4 [0.171] $4 \times \emptyset 4.35$ -C +5 IN ↔ 5 -C +6 $IN \leftrightarrow 6$ 2.250 □ ^{57.15} [0.256 min.] 6.50 min. Pin terminals LABEL **RADIALL®** R574F43600 0 - 26.5 GHz [2.264 max.] 57.50 max. Un: 28V Lot : _ _ _ [0.303 max.] 7.70 max. BOTTOM VIEW 5 6 [2.240] 0.085 Ø 56.90 2.15 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** -c o A +RESET Power Input Q Terminals CUT-OFF 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.