Technical Data Sheet



SP6T Terminated Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset Indicators 12Vdc TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 10-05-19 SERIE : SPNT PART NUMBER : R574F92620

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 ** : 960 mA

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

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

Switching Time*** : < 40 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)







SP6T Terminated Ramses SMA 26.5GHz Latching Self-cut-off Auto-reset Indicators 12Vdc TTL Diodes Pins Terminals

PAGE **2/2** ISSUE 10-05-19 SERIE: SPnT PART NUMBER: **R574F92620 DRAWING** [1.801] 45.75 \oplus TTL input RF Continuity Ind. [1.063] $\emptyset 27$ E1 = 1 $IN \leftrightarrow \mathbf{1}$ D.G $IN \leftrightarrow 2$ D.H E2 = 1D.I $IN \leftrightarrow 3$ E3 = 1 $IN \leftrightarrow 4$ D.J E4 = 1 $\text{IN} \leftrightarrow 5$ D.E E5 = 1[0.171]E6 = 1 $\text{IN} \leftrightarrow 6$ D.F 4 x ♥ 4.35 2.250 □ ^{57.15} [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. Pin terminals LABEL O H **RADIALL®** R574F92620 [2.264 max.] 57.50 max. 0 - 26.5 GHz Un: 12V Lot : _ _ _ _ BOTTOM VIEW [0.303 max.] 7.70 max. 5 6 [2.240] 0.085 Ø 56.90 2.15 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input terminals RTN E1 E2 Vcc CUT-OFF / AUTO-RESET / TTL-DRIVE D∳ G (Indicator terminals Actuators IN n 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.