Technical Data Sheet



SP5T Terminated Ramses SMA 3GHz Normally open Indicators 12Vdc TTL Diodes Pins Terminals

SERIE : SPnT PART NUMBER : R574312520

RF CHARACTERISTICS

PAGE 1/2

Number of ways : 5

ISSUE **22-03-22**

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 : NORMALLY OPEN

Nominal current ** : 250 mA

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

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

Indicator rating : 1 W / 30 V / 100 mA

TTL inputs (E) - High level : **2.2 to 5.5 V / 800μA at 5.5 V**

- Low level : 0 to 0.8 V / 20 μ A at 0.8 V

MECHANICAL CHARACTERISTICS

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

Switching Time*** : < 15 ms

Construction : Splashproof

Weight : < 250 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range $: -40^{\circ}\text{C to } +85^{\circ}\text{C}$ Storage temperature range $: -55^{\circ}\text{C to } +85^{\circ}\text{C}$

(* Average power at 25°C per RF Path)

(** At 25° C ±10%)

(*** Nominal voltage ; 25° C)







SP5T Terminated Ramses SMA 3GHz Normally open Indicators 12Vdc
TTL Diodes Pins Terminals

PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R574312520 DRAWING** 6 x M3 depth 4 [1.500] Ø38.10 ŝ TTL input RF Continuity D.E E1 = 1 $IN \leftrightarrow \mathbf{1}$ E2 = 1 $IN \leftrightarrow 2$ D.F D.G $\text{IN} \leftrightarrow 3$ E3 = 1E4 = 1IN ↔ 4 D.H [1.760] $IN \leftrightarrow \mathbf{5}$ E5 = 1D.I Ø 44.70 [0.256 min.] 6.50 min. [0.374 min.] 9.50 min. Pin terminals LABEL **RADIALL®** [2.185 max.] 55.50 max. R574312520 [0.303 max.] 7.70 max. 0 - 3 GHz $oldsymbol{eta}$ Un: 12V GND BOTTOM VIEW Lot : _ _ _ _ 3 2 1 2.244 Ø 57 General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM Power input E2 RŢN Vçc E1 terminals TTL-DRIVE Dφ Εφ 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.