Technical Data Sheet



SP4T Terminated Ramses SMA 3GHz Normally open 28Vdc TTL Drive

D-sub connector

PAGE 1/2 ISSUE 24-11-16 SERIE : SPnT PART NUMBER : R574303425

RF CHARACTERISTICS

Number of ways : 4

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 ** : 102 mA

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

Terminals : 25 pins D-SUB male connector 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 : 2.000.000 cycles per position

Switching Time*** : <15 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)



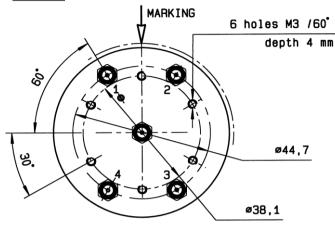
Technical Data Sheet



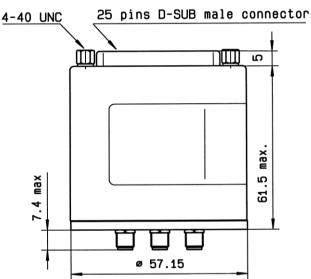
SP4T Terminated Ramses SMA 3GHz Normally open 28Vdc TTL Drive

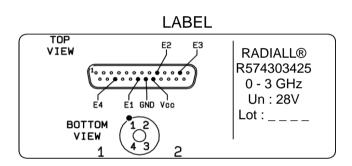
D-sub connector





| TTL input | RF Continuity |
|-----------|------------------------|
| E1 = 1 | $IN \leftrightarrow 1$ |
| E2 = 1 | $IN \leftrightarrow 2$ |
| E3 = 1 | $IN \leftrightarrow 3$ |
| E4 = 1 | $IN \leftrightarrow 4$ |

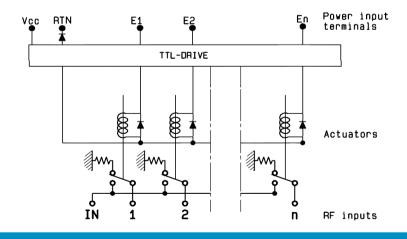






General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM



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.