Technical Data Sheet



SP5T Terminated Ramses SMA 3GHz Latching Self-cut-off Auto-reset 28Vdc Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574383500

RF CHARACTERISTICS

Number of ways : 5

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 : LATCHING
Nominal current ** : 375 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 : 2 million cycles per position

Switching Time*** : < 40 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)







SP5T Terminated Ramses SMA 3GHz Latching Self-cut-off Auto-reset 28Vdc Diodes Pins Terminals

PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R574383500 DRAWING** 6 x M3 depth 4 [1.500] Ø 38.10 ŝ Voltage RF Continuity -C +1 $IN \leftrightarrow \mathbf{1}$ -C +2 $IN \leftrightarrow 2$ $IN \leftrightarrow 3$ -C +3 IN ↔ 4 -C +4 [1.760] $\text{IN} \leftrightarrow 5$ -C +5 Ø 44.70 [0.256 min.] 6.50 min. Pin terminals **LABEL RADIALL®** [2.185 max.] 55.50 max. R574383500 0 - 3 GHz [0.303 max.] 7.70 max. Un: 28V Lot : _ _ _ BOTTOM VIEW 2 1 2.244 \emptyset 57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input terminals CUT-OFF / AUTO-RESET Actuators ΙΝ RF inputs n

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.