Technical Data Sheet



SPDT Ramses SMA 18GHz Failsafe Indicators 12Vdc Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE : SPDT PART NUMBER : R570422000

RF CHARACTERISTICS

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1.10	1.20	1.20	1.40
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB
Isolation min	80 dB	75 dB	65 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 W

ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE
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

MECHANICAL CHARACTERISTICS

Connectors : SMA female per MIL-C 39012

Life : 10 million cycles

Switching Time*** : < 10 msConstruction : Splashproof
Weight : < 45 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)



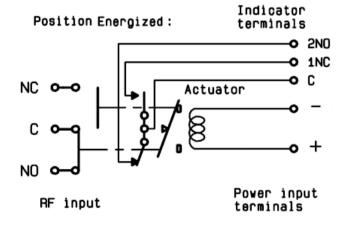
This document contains proprietary information and such information shall not be disclosed to any third party for any purpose whatsoever or used for manufacturing purposes without prior written agreement from Radiall. The data defined in this document are given as an indication, in the effort to improve our products; we reserve the right to make any changes judged necessary.

Technical Data Sheet



SPDT Ramses SMA 18GHz Failsafe Indicators 12Vdc Pins Terminals

PAGE **2/2** ISSUE **22-03-22** SERIE: SPDT PART NUMBER: **R570422000 DRAWING** [1.343] 34.10 [0.303 max.] 7.70 max. LABEL [0.138 min.] 3.50 min. 1.528 max. 38.80 max. [0.122] 2NO 1NC C 4 x Ø 3.10 **RADIALL®** R570422000 0 - 18 GHz $\overline{\Phi}$ Un: 12V Lot : _ _ _ _ $\begin{bmatrix} 0.134 \\ 3.40 \end{bmatrix}$ 0.441 11.20 NO C NC 0.880 <u>22.</u>35 1.319 33.50 1.500 38.10 **3** 0000 000∰ General tolerances: ±0,5 mm [0,02 in] SCHEMATIC DIAGRAM



Voltage	RF Continuity	Ind.
De-energized	$C \leftrightarrow NC$	C.1NC
energized	$C \leftrightarrow NO$	C.2NO

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.