



SP6T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc BCD TTL Diodes D-sub connector

PAGE 1/2 ISSUE 22-03-22 SERIE : SPnT PART NUMBER : R574482685

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 18 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	1,20	1,30	1,40	1,50
Insertion loss max	0.20 dB	0.30 dB	0.40 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB	60 dB
Average power (*)	240 W	150 W	120 W	100 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 : 25 pins D-SUB male connector

Self cut-off time : 40 ms < CT < 120 ms

BCD inputs (E) - High level : **3.5 to 5.5 V / 800μA at 5.5 V**

- Low level : 0 to 1.5 V / 20 μ A at 0.8 V

MECHANICAL CHARACTERISTICS

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

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)







IN

SP6T Terminated Ramses SMA 18GHz Latching Self-cut-off Auto-reset 12Vdc BCD TTL Diodes D-sub connector

PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R574482685 DRAWING** 6 x M3 depth 4 [1.760] 0 Ø 44.70 **BCD TRUTH TABLE** E3 E2 E1 RF continuity All ports open 0 0 0 (Forced Reset) 1.500 0 $IN \leftrightarrow 1$ 0 Ø38.10 0 $IN \leftrightarrow 2\,$ 0 1 0 1 1 $IN \leftrightarrow 3$ 1 0 0 $\text{IN} \leftrightarrow 4$ 25 pins D-SUB male connector 1 0 1 $IN \leftrightarrow 5$ 4-40 UNC $IN \leftrightarrow 6$ 0 **LABEL** TOP VIEW E2 **RADIALL®** [2.618 max.] 66.50 max. 10000000060000 R574482685 00000 [0.303 max.] 7.70 max. 0 - 18 GHz E1 GND Vcc Un: 12V BOTTOM VIEW Lot : _ _ _ _ 6 () 3 1 2 2.244 \emptyset 57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input terminals RŢN CUT-OFF / FORCED OR AUTOMATIC RESET BCD-TTL DRIVE Actuators

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.

RF inputs