# **Technical Data Sheet**



SP12T Terminated Ramses SMA 3GHz Latching Indicators 28Vdc
Positive common Solder pins

PAGE 1/2 ISSUE 16.06.13 SERIE : SPnT PART NUMBER : R574333210

#### RF CHARACTERISTICS

Number of ways : 12
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 \*\* : 125 mA / RESET : 1500 mA \*\*\*\*

Actuator voltage (Vcc) : 28V (24 to 30V) / POSITIVE COMMON

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 : 2.000.000 cycles per position

Switching Time\*\*\* : < 15 msConstruction : Splashproof
Weight : < 400 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)

(\*\*\*\* Reset : supply voltage time 1sec. max. / duty cycle 10%)



# **Technical Data Sheet**



SP12T Terminated Ramses SMA 3GHz Latching Indicators 28Vdc Positive common Solder pins

PAGE **2/2** ISSUE 16.06.13 SERIE: SPnT PART NUMBER: **R574333210 DRAWING** ø68,3 ø55,88 4 holes M3 /90° Voltage RF Continuity Ind. ø40,64 depth 4 mm +C -RESET All ports open +C -1  $IN \leftrightarrow \mathbf{1}$ D.E MARKING +C -2  $\text{IN} \leftrightarrow 2$ D.F  $\text{IN} \leftrightarrow 3$ D.G +C -3 D.H +C -4  $\text{IN} \leftrightarrow 4$ D.I  $IN \leftrightarrow 5$ +C -5 +C -6  $IN \leftrightarrow 6$ D.J  $\text{IN} \leftrightarrow 7$ D.K +C -7 +C -8  $IN \leftrightarrow 8$ D.L +C -9 IN ↔ 9 D.M IN ↔ 10 D.N +C -10 +C -11  $IN \leftrightarrow 11$ D.O **TERMINALS**  $\text{IN} \leftrightarrow 12$ D.P +C -12 ¥e≡ **LABEL** ¥e∎ TOP VIEW **RADIALL®** ω R574333210 0 - 3 GHz Un: 28V പ്പ Lot : \_ \_ \_ \_ **BOTTOM** 2 X O.E. General tolerances: ±0.5 mm SCHEMATIC DIAGRAM Power input -RESET terminals D∳ Indicator terminals Actuators 2 **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.