## **Technical Data Sheet**



SP6T Terminated Ramses SMA 3GHz Normally open Indicators 28Vdc BCD TTL Diodes D-sub connector

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#### RF CHARACTERISTICS

Number of ways : 6

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

Indicator rating : 1 W / 30 V / 100 mA

BCD inputs (E) - High level : 3.5 to 5.5 V / 800 $\mu$ A at 5.5 V

- Low level : 0 to 1.5 V / 20 $\mu$ A at 0.8 V

### MECHANICAL CHARACTERISTICS

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

Switching Time\*\*\* : < 15 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)







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SP6T Terminated Ramses SMA 3GHz Normally open Indicators 28Vdc BCD TTL Diodes D-sub connector

PAGE 2/2 ISSUE 06-02-18 SERIE: SPnT PART NUMBER: **R574313685 DRAWING** 6 x M3 depth 4 1.760 Ø 44.70 **BCD TRUTH TABLE** E3 E2 E1 RF continuity Ind. 0 0 Last Position All ports open 1.500 0 0 1  $IN \leftrightarrow 1$ D.E Ø38.10 0 1 0  $IN \leftrightarrow 2$ D.F 0 1 1  $IN \leftrightarrow 3$ D.G 1 0 0  $IN \leftrightarrow 4$ D.H 25 pins D-SUB male connector 1 D.I 0 1  $IN \leftrightarrow 5$ 4-40 UNC  $IN \leftrightarrow 6$ 0 D.J **LABEL** TOP VIEW **RADIALL®** [2.618 max.] 66.50 max. 1000000 R574313685 [0.303 max.] 7.70 max. 0 - 3 GHz Un: 28V BOTTOM VIEW Lot : \_ \_ \_ 6 () 3 1 2 2.244 Ø 57 General tolerances: ±0,5 mm [0,02 in] **SCHEMATIC DIAGRAM** Power input RIN E1 E2 E3 Vçc terminals BCD DECODER AND TTL LOGIC / POWER BREAKER CIRCUITRY Dφ Εø Indicator terminals Actuators

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RF inputs