Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Normally open 12Vdc BCD TTL Diodes Pins Terminals

PAGE 1/2 ISSUE 22-03-22 SERIE: SPnT PART NUMBER: R573802680

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 40 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	2.20
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	40 W	30 W	25 W	15 W	5 W

ELECTRICAL CHARACTERISTICS

Actuator : NORMALLY OPEN

Nominal current ** : 250 mA

Actuator voltage (Vcc) : 12V (10.2 to 13V)

Terminals : solder pins (250°C max. / 30 sec.)

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

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

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 2 million cycles per position

Switching Time*** : < 15 msConstruction : Splashproof
Weight : < 220 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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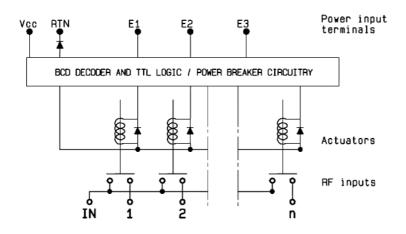
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PAGE **2/2** ISSUE **22-03-22** SERIE: SPnT PART NUMBER: **R573802680 DRAWING** 6 x M3 depth 4 1.063 60° Ø 27 **BCD TRUTH TABLE** 0 E3 E2 E1 RF continuity 2 0 0 0 Last Position 3 1 All ports open 1 30° 0 0 1 $IN \leftrightarrow 1$ 1.508 0 1 0 $\text{IN} \leftrightarrow 2$ \emptyset 38.30 0 1 1 $IN \leftrightarrow 3$ 1 0 0 $IN \leftrightarrow 4$ 0 1 $IN \leftrightarrow 5$ [0.256 min.] Pin terminals 0 $IN \leftrightarrow 6$ 6.50 min. mánnn **LABEL RADIALL®** [2.185 max.] 55.50 max. R573802680 0 - 40 GHz [0.264 max.] 6.70 max. Un: 12V BOTTOM VIEW Lot : _ _ _ _ 1 2

General tolerances : ±0,5 mm [0,02 in]

2.244 Ø 57

SCHEMATIC DIAGRAM



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