Technical Data Sheet



SP6T Terminated Ramses SMA 3GHz Normally open 28Vdc BCD TTL

Diodes D-sub connector

PAGE 1/2 ISSUE 06-02-18 SERIE : SPnT PART NUMBER : R574303685

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

Switching Time*** : <15 ms

Construction : 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)



Technical Data Sheet

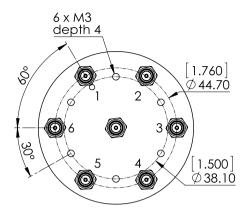


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SERIE : SPNT PART NUMBER : R574303685

DRAWING

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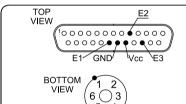


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BCD TRUTH TABLE					
E3	E2	E1	RF continuity		
0	0	0	Last Position		
1	1	1	All ports open		
0	0	1	IN ↔ 1		
0	1	0	$IN \leftrightarrow 2$		
0	1	1	$IN \leftrightarrow 3$		
1	0	0	$IN \leftrightarrow 4$		
1	0	1	IN ↔ 5		
1	1	0	IN ↔ 6		

LABEL



1

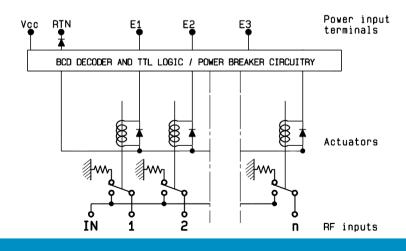
RADIALL® R574303685 0 - 3 GHz Un : 28V Lot : ____



2

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

SCHEMATIC DIAGRAM



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