Technical Data Sheet



SP6T Ramses SMA2.9 40GHz Normally open 12Vdc D-sub connector

PAGE 1/2 ISSUE 10-04-25 SERIE : SPnT PART NUMBER : R573802605

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	1.95
Insertion loss max	0.20 dB	0.40 dB	0.50 dB	0.70 dB	1.00 dB
Isolation min	80 dB	70 dB	70 dB	60 dB	55 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) / NEGATIVE COMMON

Terminals : 25 pins D-SUB male connector

MECHANICAL CHARACTERISTICS

Connectors : SMA 2.9 female per MIL-C 39012
Life : 7 million cycles per position

Switching Time*** : <15 ms

Construction : 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)



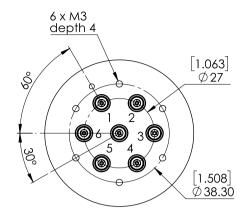
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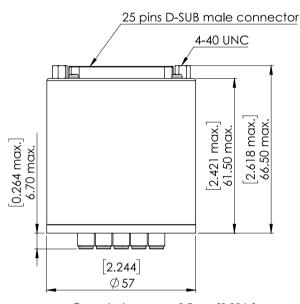
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PAGE 2/2 ISSUE 10-04-25 SERIE : SPnT PART NUMBER : R573802605

DRAWING

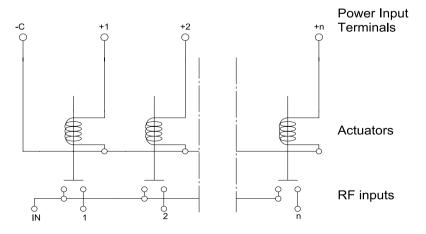


Voltage	RF Continuity		
-C +1	IN ↔ 1		
-C +2	$IN \leftrightarrow 2$		
-C +3	$IN \leftrightarrow 3$		
-C +4	$IN \leftrightarrow 4$		
-C +5	IN ↔ 5		
-C +6	$IN \leftrightarrow 6$		



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

SCHEMATIC DIAGRAM



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