Technical Data Sheet



SP6T Ramses Low PIM N 12.4GHz Latching 12Vdc Pins Terminals

PAGE 1/2 ISSUE 15.01.14 SERIE : SPnT PART NUMBER : R573122600LP

RF CHARACTERISTICS

Number of ways : 6

Frequency range : 0 - 12.4 GHz Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4
VSWR max	1.20	1.35	1.50
Insertion loss max	0.20 dB	0.35 dB	0.50 dB
Isolation min	80 dB	70 dB	60 dB
Average power (*)	400 W	250 W	200 W

	Passive intermodulation	
Tone 1	1810 MHz, approximately 43 dBm	
Tone 2	1850 MHz, approximately 43 dBm	
3 rd order PIM	- 160 dBc at 1770 MHz	

Depending on application, carrier powers and frequencies, PIM measurements can vary. PIM testing is not measured during product acceptance test.

ELECTRICAL CHARACTERISTICS

Actuator : LATCHING

Nominal current ** : 320 mA / RESET : 1920 mA ****

Actuator voltage (Vcc) : 12V (10.2 to 13V) / NEGATIVE COMMON
Terminals : solder pins (250°C max. / 30 sec.)

MECHANICAL CHARACTERISTICS

Connectors : N female per MIL-C 39012
Life : 2.000.000 cycles per position

Switching Time*** : < 15 ms

Construction : Splashproof

Weight : < 460 g

ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°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%)



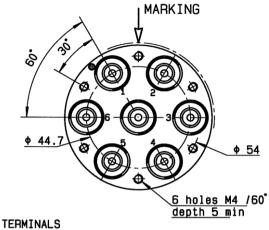
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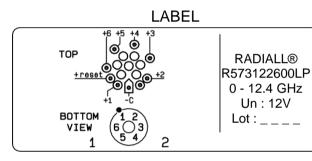


DRAWING



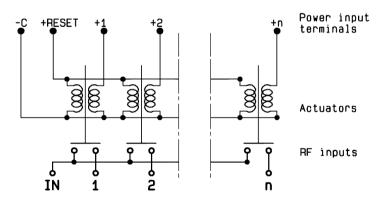
Voltage	RF Continuity
-C +RESET	All ports open
-C +1	$IN \leftrightarrow 1$
-C +2	$IN \leftrightarrow 2$
-C +3	$IN \leftrightarrow 3$
-C +4	$IN \leftrightarrow 4$
-C +5	IN ↔ 5
-C +6	IN ↔ 6

EHMINALS Xem 8 Xem 61 A 63.5



General tolerances: ±0.5 mm

SCHEMATIC DIAGRAM



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