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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570162015LP

## RF CHARACTERISTICS

Frequency range : **0 - 12.4 GHz**  
Impedance : **50 Ohms**

Frequency (GHz)	DC - 1	1 - 2	2 - 3	3 - 8	8 - 12.4
VSWR max	<b>1.15</b>	<b>1.20</b>	<b>1.25</b>	<b>1.35</b>	<b>1.50</b>
Insertion loss max	<b>0.15 dB</b>	<b>0.20 dB</b>	<b>0.25 dB</b>	<b>0.35 dB</b>	<b>0.50 dB</b>
Isolation min	<b>85 dB</b>	<b>80 dB</b>	<b>75 dB</b>	<b>70 dB</b>	<b>60 dB</b>
Average power (*)	<b>700 W</b>	<b>500 W</b>	<b>400 W</b>	<b>250 W</b>	<b>200 W</b>

Passive intermodulation	
Tone 1	1810 MHz, approximately 43 dBm
Tone 2	1850 MHz, approximately 43 dBm
3 <sup>rd</sup> 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**  
Actuator voltage (Vcc) : **12V (10.2 to 13V) / POSITIVE COMMON**  
Terminals : **9 pins D-SUB male connector**  
Indicator rating : **1 W / 30 V / 100 mA**  
Self cut-off time : **40 ms < CT < 120 ms**

## MECHANICAL CHARACTERISTICS

Connectors\*\*\*\*\* : **N female per MIL-C 39012**  
Life : **2 million cycles**  
Switching Time\*\*\* : **< 15 ms**  
Construction : **Splashproof**  
Weight : **< 185 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)  
(\*\*\*\*\* Recommended mating torque: 300 N.cm)



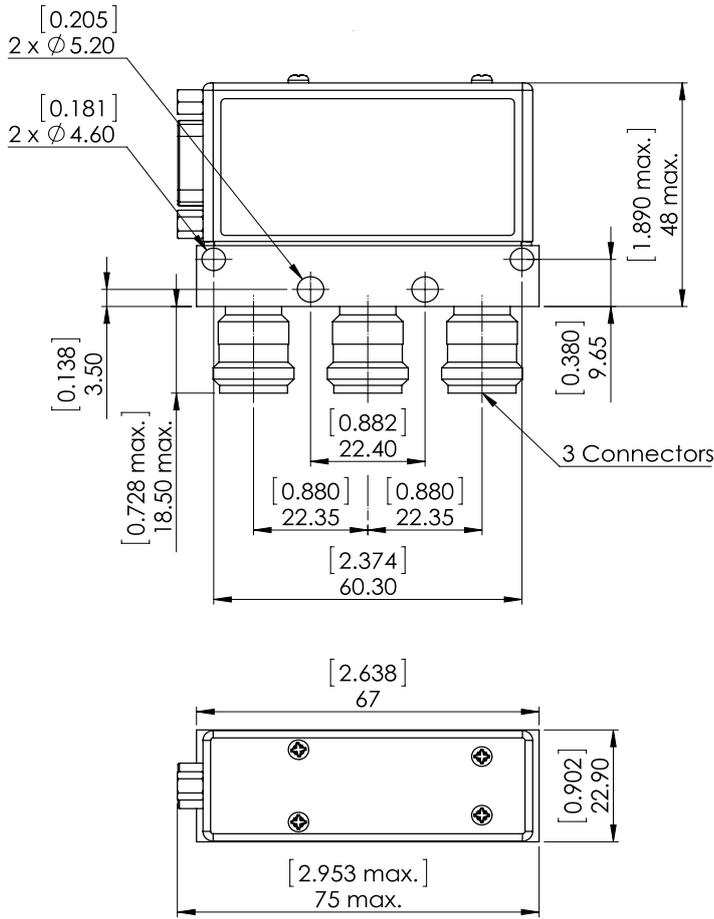
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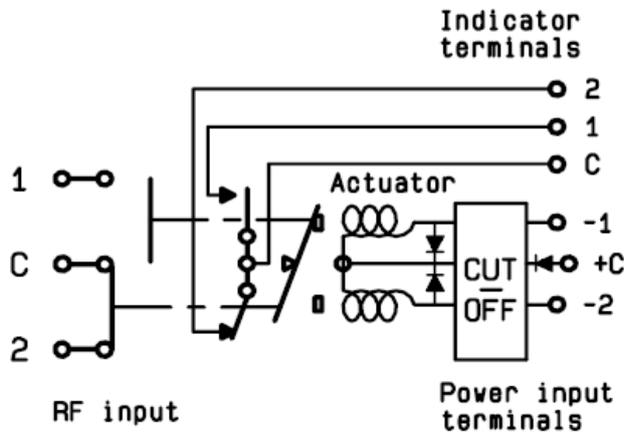
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**DRAWING**

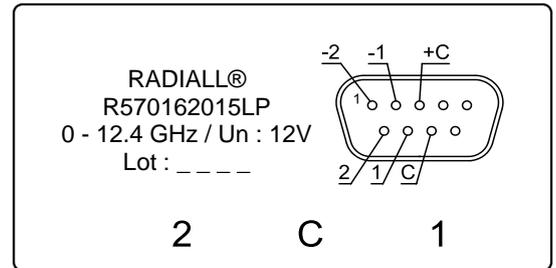


General tolerances : ±0,5 mm [0,02 in]

**SCHEMATIC DIAGRAM**



**LABEL**



Voltage	RF Continuity	Ind.
+C -1	C ↔ 1	C.1
+C -2	C ↔ 2	C.2