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ISSUE 15-11-21

SERIE : SPDT

PART NUMBER : R571433141

## RF CHARACTERISTICS

Frequency range : **0 - 18 GHz**  
Impedance : **50 Ohms**

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18
VSWR max	<b>1.10</b>	<b>1.20</b>	<b>1.20</b>	<b>1.40</b>
Insertion loss max	<b>0.15 dB</b>	<b>0.20 dB</b>	<b>0.25 dB</b>	<b>0.35 dB</b>
Isolation min	<b>80 dB</b>	<b>75 dB</b>	<b>65 dB</b>	<b>60 dB</b>
Average power (*)	<b>240 W</b>	<b>150 W</b>	<b>120 W</b>	<b>100 W</b>

Cryogenic characteristics are not measured during product acceptance test.  
RF performances are based on customers test reports.

## ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**  
Nominal current \*\* : **40 mA**  
Actuator voltage (Vcc) : **28V (24 to 30V)**  
Terminals : **solder pins (250°C max. / 30 sec.)**

## MECHANICAL CHARACTERISTICS

Connectors : **SMA female per MIL-C 39012**  
Life : **10 million cycles**  
Switching Time\*\*\* : **< 10 ms**  
Construction : **Splashproof**  
Weight : **< 45 g**

## ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : **-273°C to +85°C**  
Storage temperature range : **-273°C to +85°C**

(\* Average power at 25°C per RF Path)

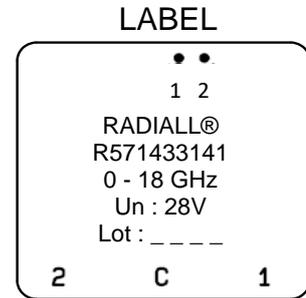
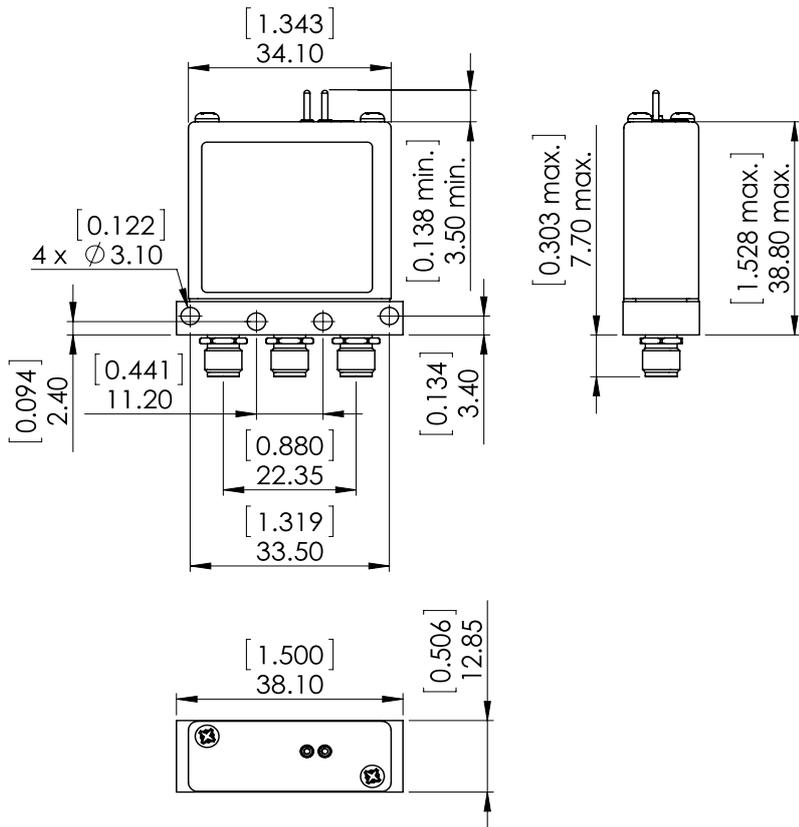
(\*\* At 25° C ±10%)

(\*\*\* Nominal voltage ; 25° C)



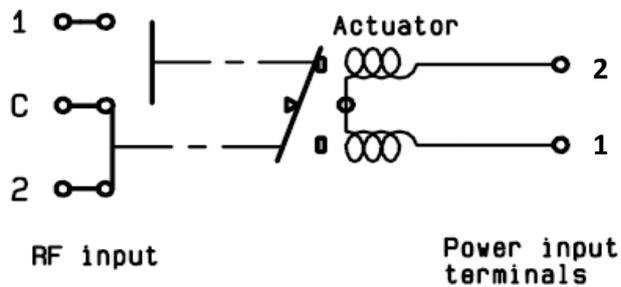
15/11/2021	P/N Assignment	MB
Issue	Revision	App.

DRAWING



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

SCHEMATIC DIAGRAM



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