

PAGE 1/2

ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570952100

### RF CHARACTERISTICS

Frequency range : 0 - 2.5 GHz  
Impedance : 75 Ohms

Frequency (GHz)	DC - 1	1 - 2.5
VSWR max	1.20	1.30
Insertion loss max	0.20 dB	0.30 dB
Isolation min	80 dB	70 dB
Average power (*)	400 W	240 W

### ELECTRICAL CHARACTERISTICS

Actuator : LATCHING  
Nominal current \*\* : 210 mA  
Actuator voltage (Vcc) : 12V (10.2 to 13V)  
Terminals : solder pins (250°C max. / 30 sec.)  
Self cut-off time : 40 ms < CT < 120 ms  
TTL inputs (E) - High level : 2.2 to 5.5 V / 800µA at 5.5 V  
- Low level : 0 to 0.8 V / 20µA at 0.8 V

### MECHANICAL CHARACTERISTICS

Connectors : 1.6/5.6 female per IEC 169-13  
Life : 5 million cycles  
Switching Time\*\*\* : < 10 ms  
Construction : Splashproof  
Weight : < 45 g

### ENVIRONMENTAL CHARACTERISTICS

Operating temperature range : -25°C to +70°C  
Storage temperature range : -40°C to +85°C

(\* Average power at 25°C per RF Path)  
(\*\* At 25° C ±10%)  
(\*\*\* Nominal voltage ; 25° C)



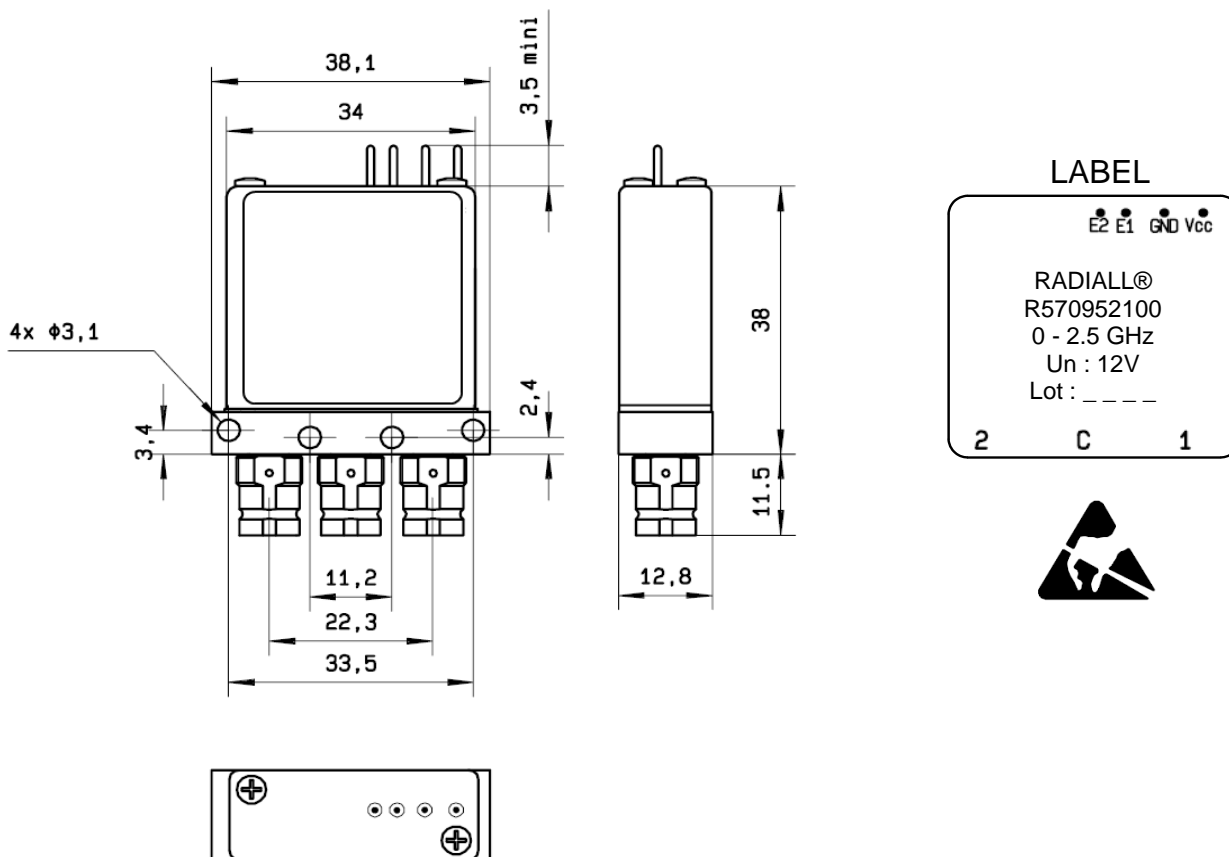
PAGE 2/2

ISSUE 22-03-22

SERIE : SPDT

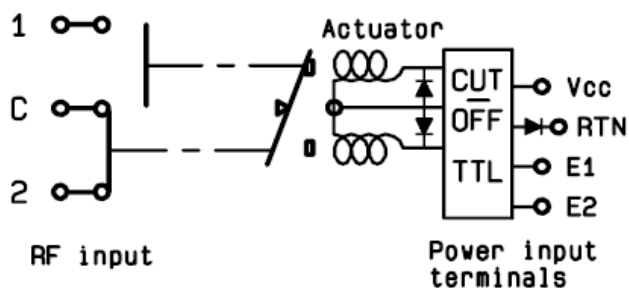
PART NUMBER : R570952100

DRAWING



General tolerances :  $\pm 0,5$  mm [0,02 in]

SCHEMATIC DIAGRAM



TTL input	RF Continuity
E1=1 / E2=0	C $\leftrightarrow$ 1
E1=0 / E2=1	C $\leftrightarrow$ 2
E1=0 / E2=0	Memory
E1=1 / E2=1	Forbidden