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ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570F23100

### RF CHARACTERISTICS

Frequency range : 0 - 26.5 GHz  
Impedance : 50 Ohms

Frequency (GHz)	DC - 3	3 - 8	8 - 12.4	12.4 - 18	18 - 26.5
VSWR max	1.10	1.20	1.20	1.40	1.50
Insertion loss max	0.15 dB	0.20 dB	0.25 dB	0.35 dB	0.50 dB
Isolation min	80 dB	75 dB	65 dB	60 dB	55 dB
Average power (*)	240 W	150 W	120 W	100 W	40 W

### ELECTRICAL CHARACTERISTICS

Actuator : FAILSAFE  
Nominal current \*\* : 102 mA  
Actuator voltage (Vcc) : 28V (24 to 30V)  
Terminals : solder pins (250°C max. / 30 sec.)  
Indicator rating : 1 W / 30 V / 100 mA  
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 : SMA female per MIL-C 39012  
Life : 10 million cycles  
Switching Time\*\*\* : < 10 ms  
Construction : Splashproof  
Weight : < 45 g

### ENVIRONMENTAL CHARACTERISTICS

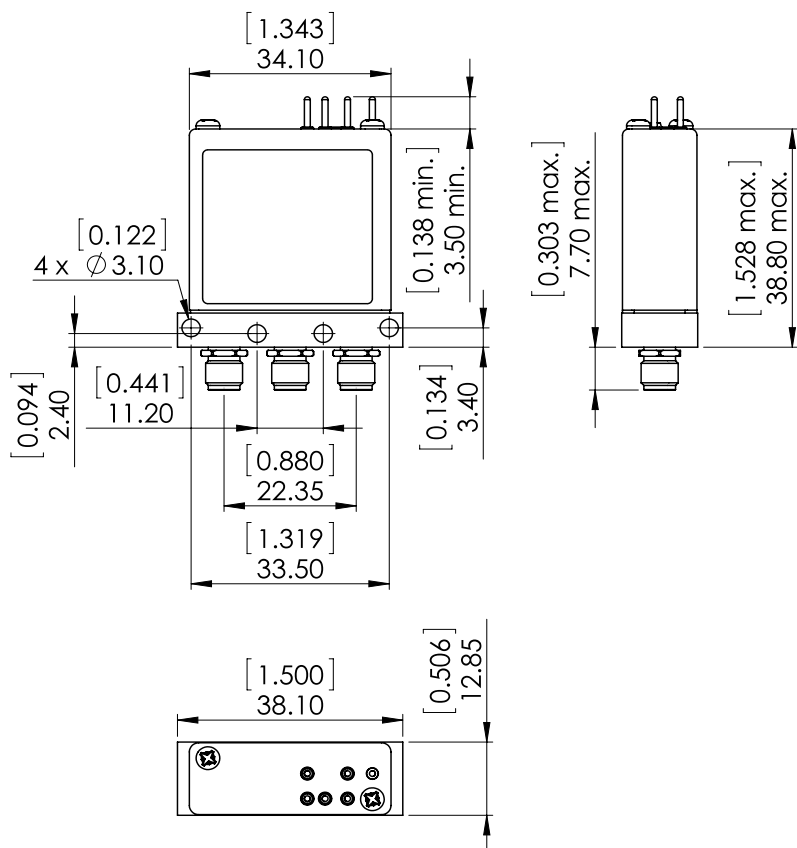
Operating temperature range : -40°C to +85°C  
Storage temperature range : -55°C to +85°C

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

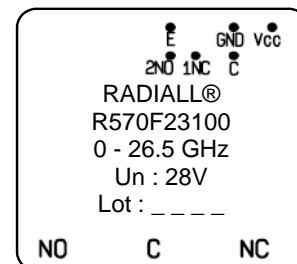
(\*\* At 25° C ±10%)

(\*\*\*) Nominal voltage ; 25° C)



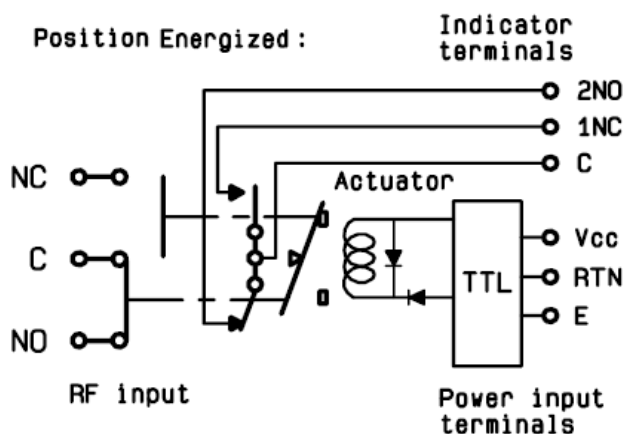
DRAWING

**LABEL**



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

### SCHEMATIC DIAGRAM



TTL input	RF Continuity	Ind.
E = 0	C ↔ NC	C.1NC
E = 1	C ↔ NO	C.2NO