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ISSUE 12-09-22

SERIE : SPDT

PART NUMBER : R570J23100

### RF CHARACTERISTICS

Frequency range : 0 - 50 GHz  
Impedance : 50 Ohms

| Frequency (GHz)    | DC - 6  | 6 - 12.4 | 12.4 - 18 | 18 - 26.5 | 26.5 - 40 | 40 - 50 |
|--------------------|---------|----------|-----------|-----------|-----------|---------|
| VSWR max           | 1.30    | 1.40     | 1.50      | 1.70      | 1.90      | 1.90    |
| Insertion loss max | 0.30 dB | 0.40 dB  | 0.50 dB   | 0.70 dB   | 0.80 dB   | 1.10 dB |
| Isolation min      | 70 dB   | 60 dB    | 60 dB     | 55 dB     | 50 dB     | 50 dB   |
| Average power (*)  | 80 W    | 60 W     | 50 W      | 20 W      | 10 W      | 5 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

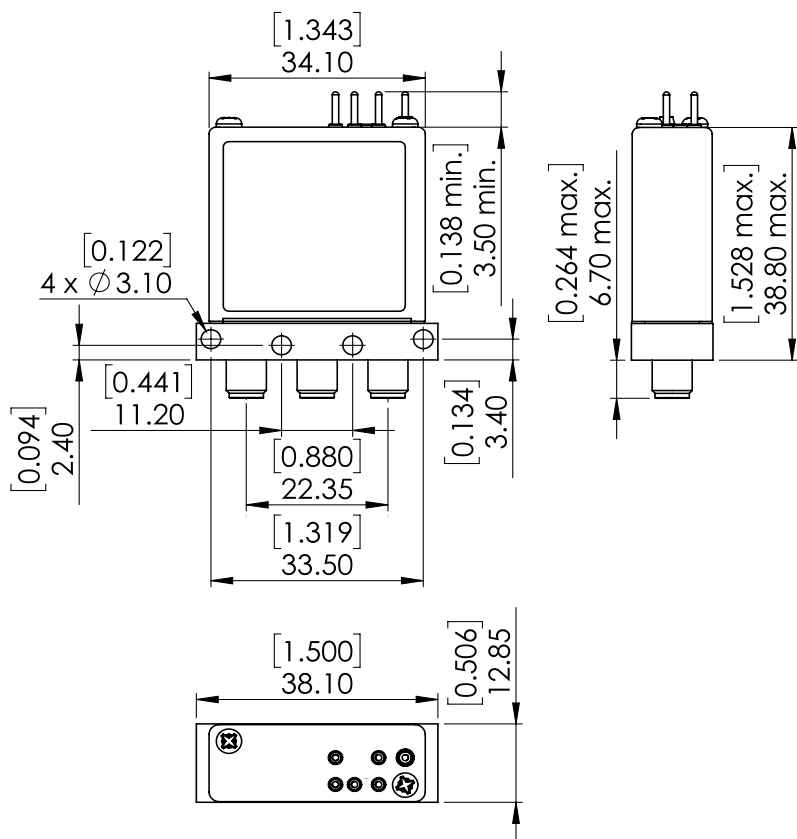
Connectors : 2.4mm female (Accoding to IEEE STD 287)  
Life : 2 million cycles  
Switching Time\*\*\* : < 10 ms  
Construction : Splashproof  
Weight : < 45 g

### ENVIRONMENTAL CHARACTERISTICS

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

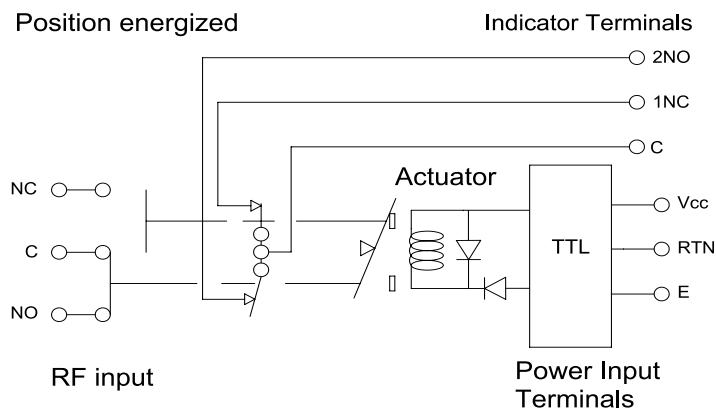
(\* Average power at 25°C per RF Path)  
(\*\* At 25° C ±10%)  
(\*\*\* Nominal voltage ; 25° C)



DRAWING

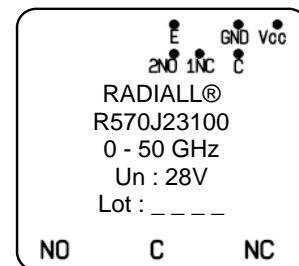
General tolerances :  $\pm 0,5$  mm [0,02 in]

SCHEMATIC DIAGRAM



| TTL input | RF Continuity          | Ind.  |
|-----------|------------------------|-------|
| E = 0     | C $\leftrightarrow$ NC | C.1NC |
| E = 1     | C $\leftrightarrow$ NO | C.2NO |

**LABEL**



**WARNING**

**Sensitive connector :** To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket

