PAGE **1/2**	ISSUE **22-03-22**	SERIE : **SPDT**	PART NUMBER : **R570412100**

RF CHARACTERISTICS

Frequency range   : **0 - 18 GHz**

Impedance   : **50 Ohms**

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

ELECTRICAL CHARACTERISTICS

Actuator   : **FAILSAFE**

Nominal current **   : **250 mA**

Actuator voltage (Vcc)   : **12V (10.2 to 13V)**

Terminals   : **solder pins (250°C max. / 30 sec.)**

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%)

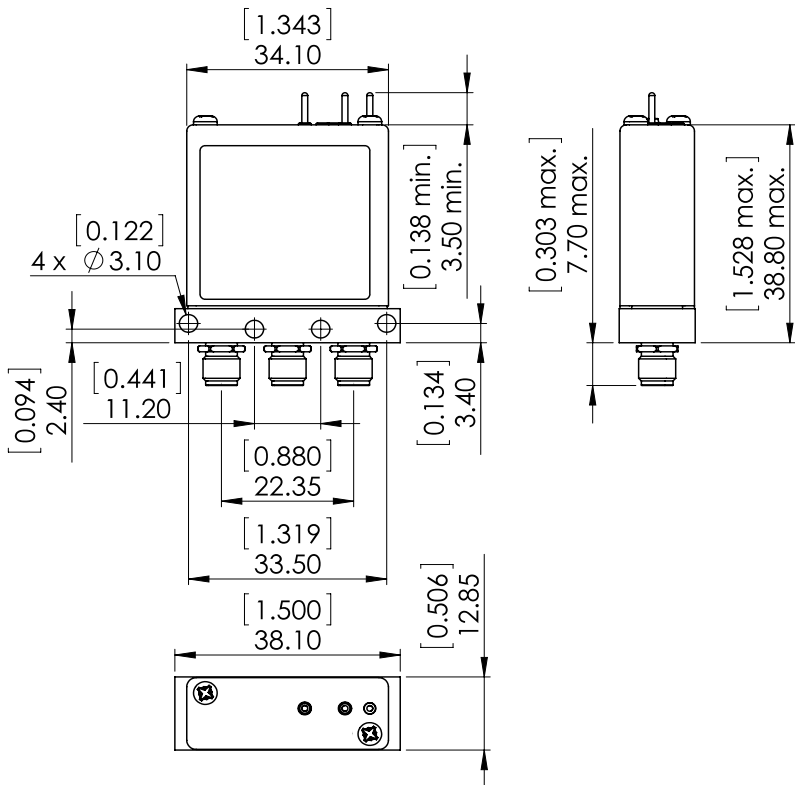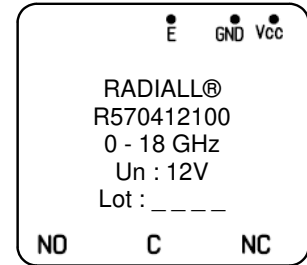(***   Nominal voltage ; 25° C)

DRAWING

LABEL

E   GND Vcc

RADIALL®
R570412100
0 - 18 GHz
Un : 12V
Lot : _ _ _ _

NO   C   NC

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

SCHEMATIC DIAGRAM

Position Energized :
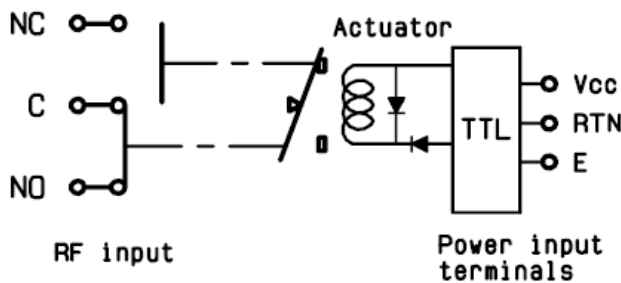
TTL input	RF Continuity
E = 0	C ↔ NC
E = 1	C ↔ NO