

PAGE 1/2

ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570V52100

RF CHARACTERISTICS

Frequency range : 0 - 67 GHz
Impedance : 50 Ohms

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40	40 - 50	50 - 67
VSWR max	1.30	1.40	1.50	1.70	1.90	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	1.10 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB	50 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W	5 W	3 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 : 1.85mm 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)



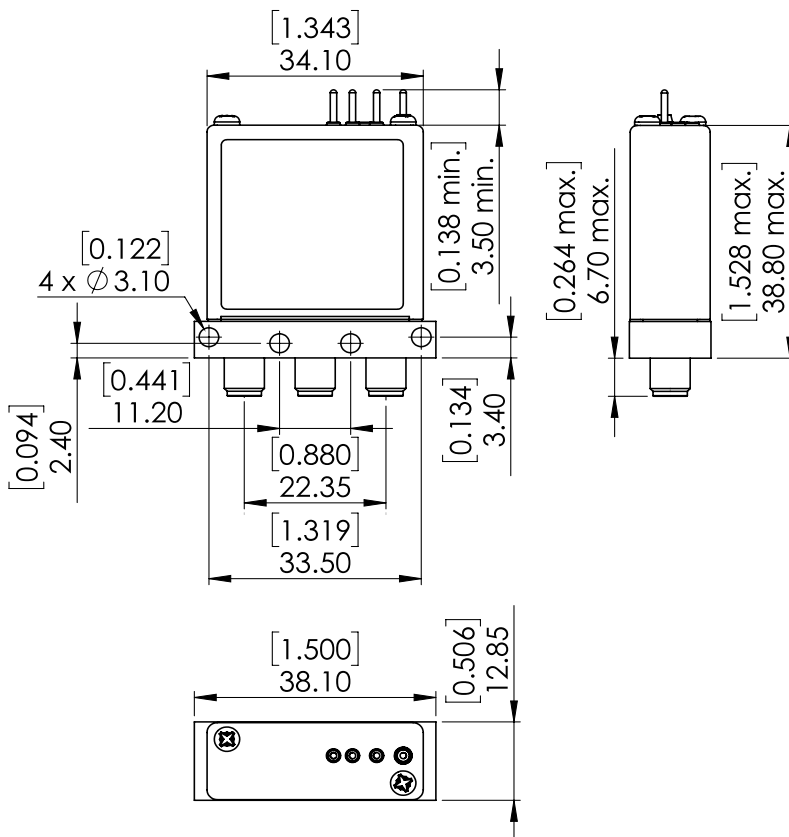
PAGE 2/2

ISSUE 22-03-22

SERIE : SPDT

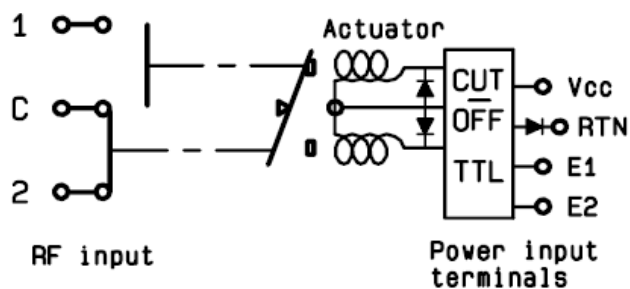
PART NUMBER : R570V52100

DRAWING

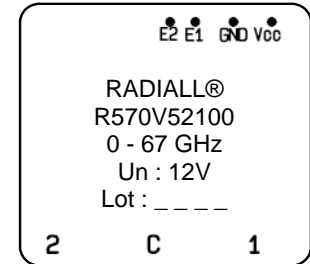


General tolerances : $\pm 0,5$ mm [0,02 in]

SCHEMATIC DIAGRAM

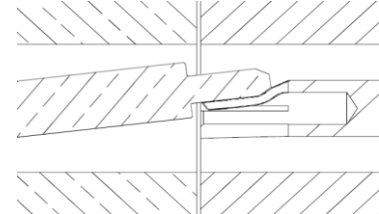


LABEL



WARNING

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



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