

PAGE 1/2

ISSUE 22-03-22

SERIE : SPDT

PART NUMBER : R570242105

RF CHARACTERISTICS

Frequency range : **0 - 3 GHz**
 Impedance : **50 Ohms**

Frequency (GHz)	DC - 1	1 - 2	2 - 3
VSWR max	1.15	1.20	1.25
Insertion loss max	0.15 dB	0.20 dB	0.25 dB
Isolation min	85 dB	80 dB	75 dB
Average power (*)	400 W	300 W	240 W

ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**
 Nominal current ** : **320 mA**
 Actuator voltage (Vcc) : **12V (10.2 to 13V)**
 Terminals : **9 pins D-SUB male connector**
 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 : **BNC female per MIL-C 39012**
 Life : **2.5 million cycles**
 Switching Time*** : **< 15 ms**
 Construction : **Splashproof**
 Weight : **< 185 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)



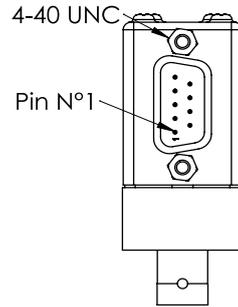
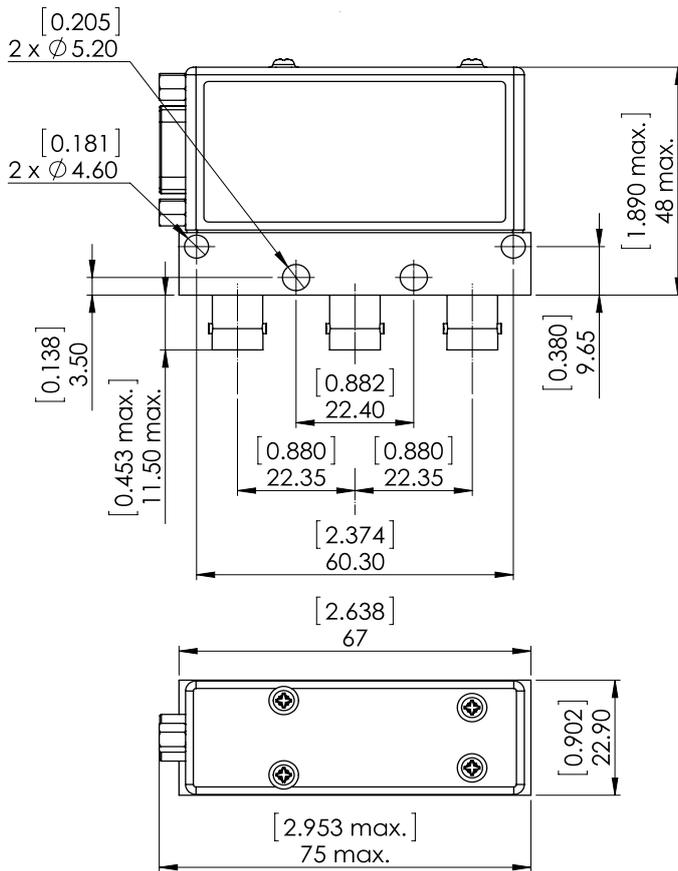
PAGE 2/2

ISSUE 22-03-22

SERIE : SPDT

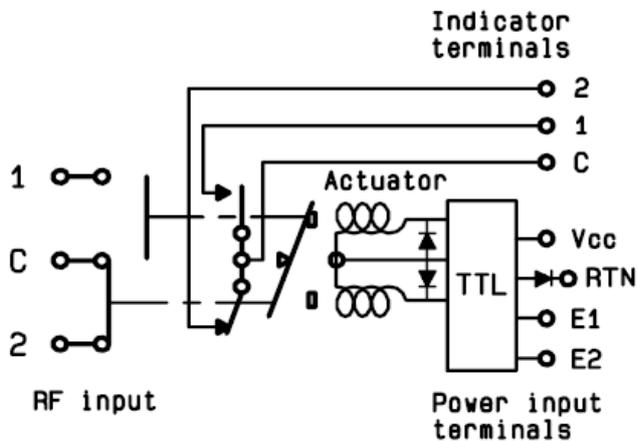
PART NUMBER : R570242105

DRAWING

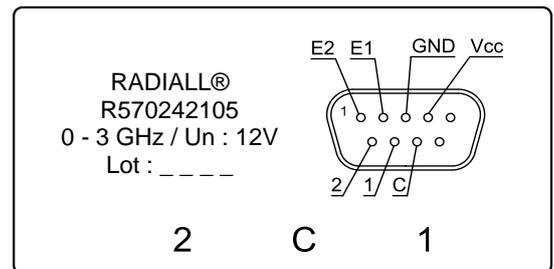


General tolerances : $\pm 0,5$ mm [0,02 in]

SCHEMATIC DIAGRAM



LABEL



TTL input	RF Continuity	Ind.
E1=1 / E2=0	C ↔ 1	C.1
E1=0 / E2=1	C ↔ 2	C.2
E1=0 / E2=0	Memory	-
E1=1 / E2=1	Forbidden	-