

PAGE **1/2**

ISSUE **10-07-19**

SERIE : **SPDT ZC**

PART NUMBER : **R585J13400**

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 ** : **205 mA**

Actuator voltage (Vcc) : **28V (24 to 30V)**

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

MECHANICAL CHARACTERISTICS

Connectors : **2.4mm female (According to IEEE STD 287)**

Life : **2 million cycles**

Switching Time*** : **< 10 ms**

Construction : **Splashproof**

Weight : **< 100 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)



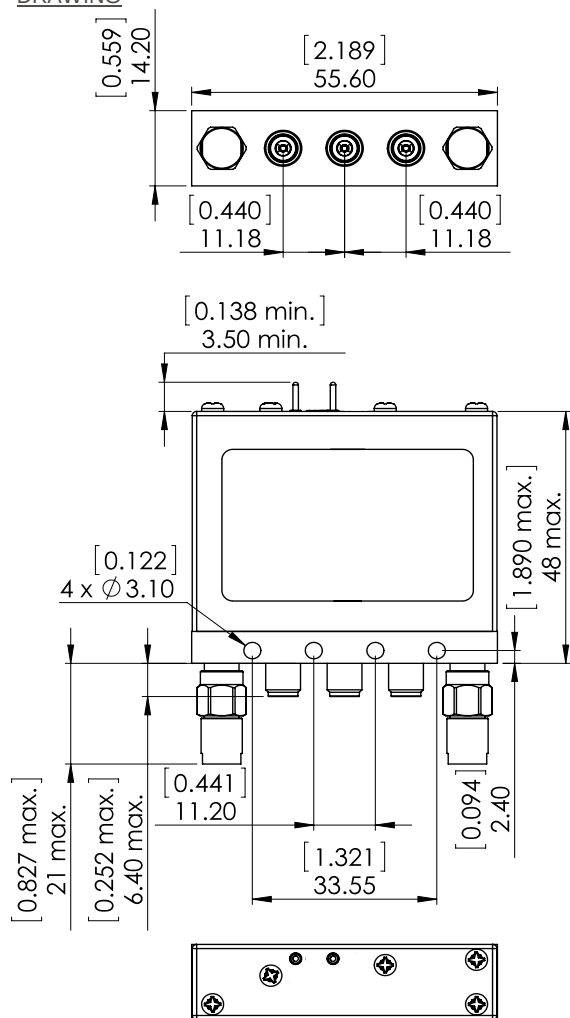
PAGE 2/2

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SERIE : SPDT ZC

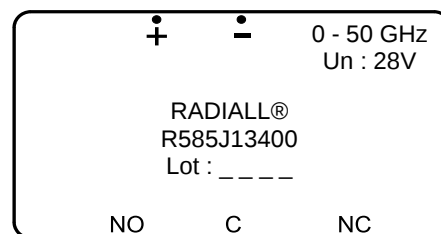
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DRAWING



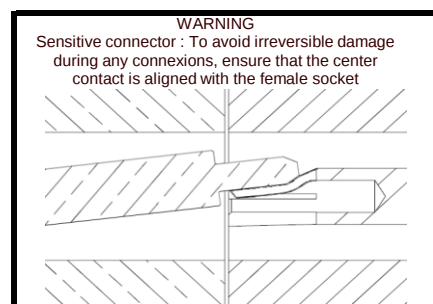
General tolerances : $\pm 0,5$ mm [0,02 in]

LABEL



WARNING

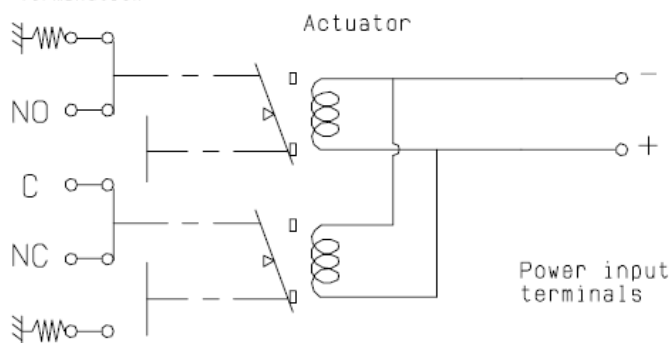
Sensitive connector : To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket



SCHEMATIC DIAGRAM

RF input

50 Ω Termination



50 Ω Termination

Position : de-energized

Position	RF Continuity
De-energized	C $\leftrightarrow$ NC / NO $\leftrightarrow$ 50 Ω
energized	C $\leftrightarrow$ NO / NC $\leftrightarrow$ 50 Ω