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ISSUE 09-03-21

SERIE : SPDT ZC

PART NUMBER : R585J33500

## 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 : LATCHING

Nominal current \*\* : 160 mA

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

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 : 2.4mm female (According to IEEE STD 287)

Life : 2 million cycles

Switching Time\*\*\* : &lt; 10 ms

Construction : Splashproof

Weight : &lt; 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)



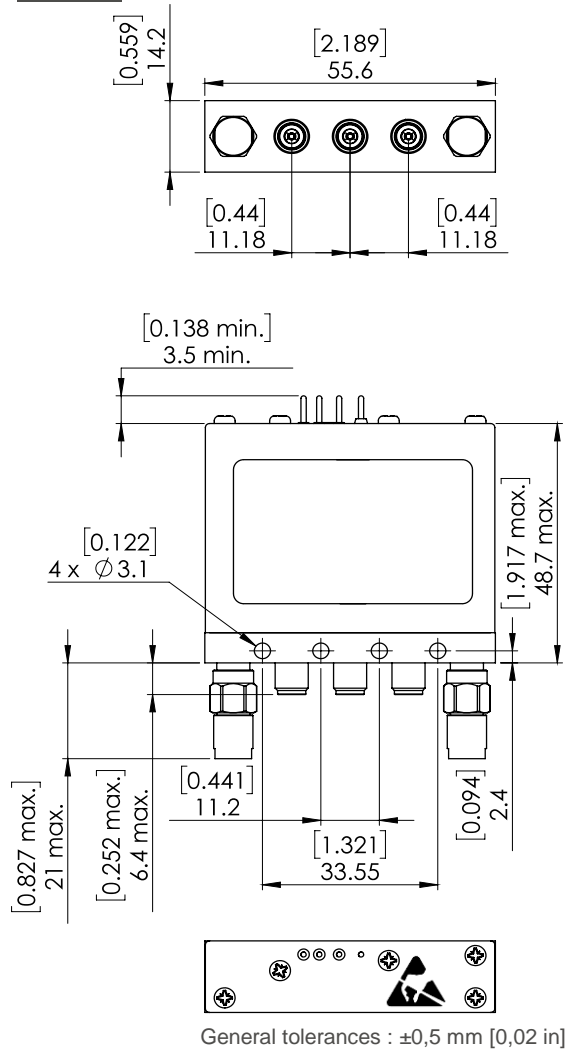
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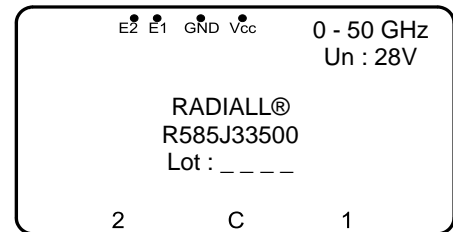
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PART NUMBER : **R585J33500**

**DRAWING**

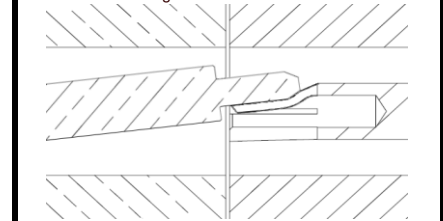


**LABEL**



**WARNING**

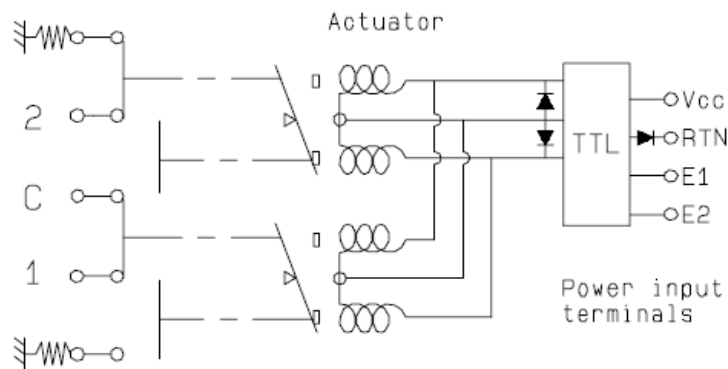
Sensitive connector : To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket



**SCHEMATIC DIAGRAM**

RF input

50 $\Omega$  Termination



TTL input	RF Continuity
E1=1 / E2=0	C $\leftrightarrow$ 1 / 2 $\leftrightarrow$ 50 $\Omega$
E1=0 / E2=1	C $\leftrightarrow$ 2 / 1 $\leftrightarrow$ 50 $\Omega$
E1=0 / E2=0	Memory
E1=1 / E2=1	Forbidden