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ISSUE **09-03-21**

SERIE : **SPDT ZC**

PART NUMBER : **R585J72500**

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 : **NORMALLY OPEN**
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 : **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)



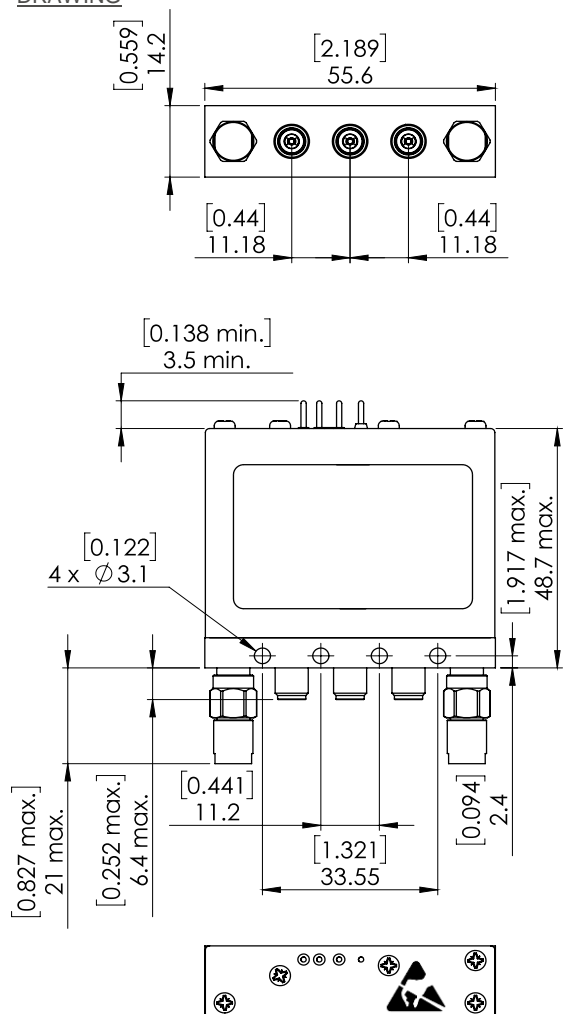
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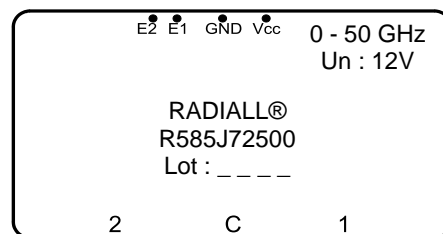
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DRAWING



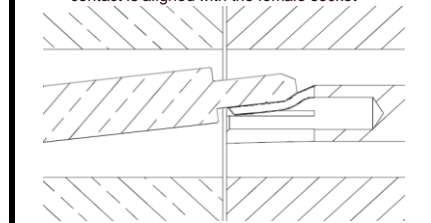
General tolerances : $\pm 0,5$ mm [0,02 in]

LABEL



WARNING

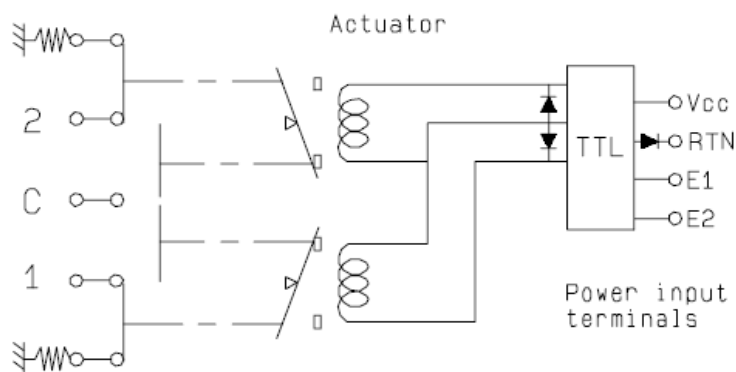
Sensitive connector : To avoid irreversible damage during any connexions, ensure that the center contact is aligned with the female socket



SCHEMATIC DIAGRAM

RF input

50 Ω Termination



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