

PAGE **1/2**

ISSUE **09-03-21**

SERIE : **SPDT ZC**

PART NUMBER : **R585853400**

RF CHARACTERISTICS

Frequency range : **0 - 40 GHz**

Impedance : **50 Ohms**

Frequency (GHz)	DC - 6	6 - 12.4	12.4 - 18	18 - 26.5	26.5 - 40
VSWR max	1.30	1.40	1.50	1.70	1.90
Insertion loss max	0.30 dB	0.40 dB	0.50 dB	0.70 dB	0.80 dB
Isolation min	70 dB	60 dB	60 dB	55 dB	50 dB
Average power (*)	80 W	60 W	50 W	20 W	10 W

ELECTRICAL CHARACTERISTICS

Actuator : **LATCHING**

Nominal current ** : **160 mA**

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

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

Self cut-off time : **40 ms < CT < 120 ms**

MECHANICAL CHARACTERISTICS

Connectors : **SMA 2.9 female per MIL-C 39012**

Life : **10 million cycles**

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

Construction : **Splashproof**

Weight : **< 100 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)



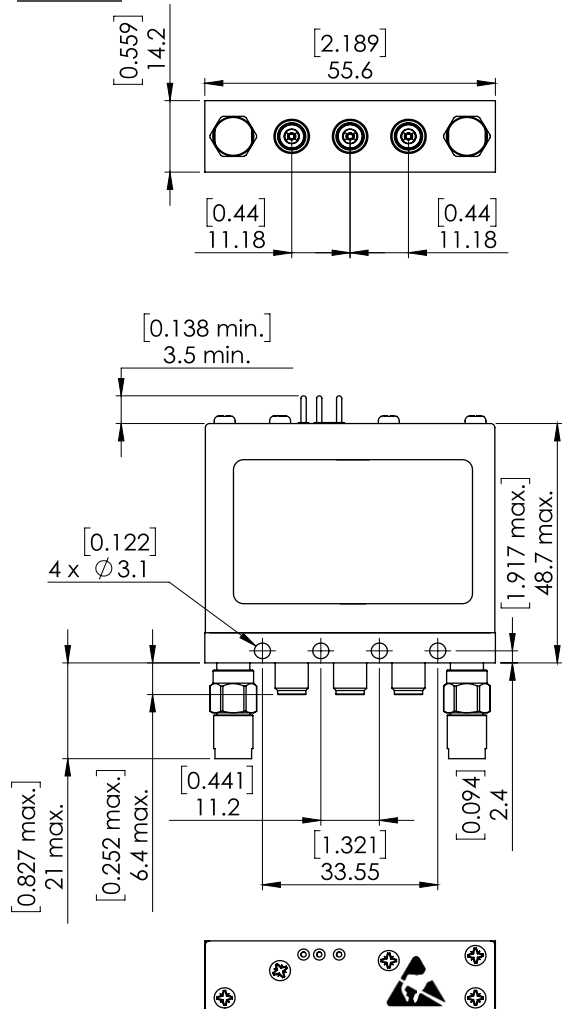
PAGE **2/2**

ISSUE **09-03-21**

SERIE : **SPDT ZC**

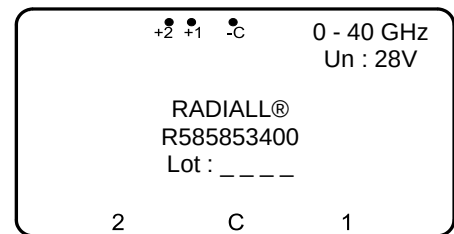
PART NUMBER : **R585853400**

DRAWING



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

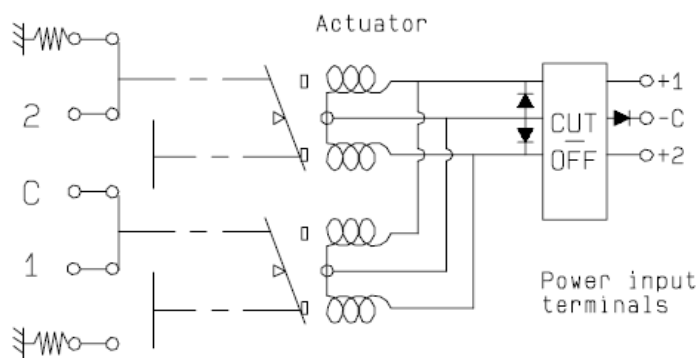
LABEL



SCHEMATIC DIAGRAM

RF input

50 Ω Termination



50 Ω Termination

Voltage	RF Continuity
-C +1	C $\leftrightarrow$ 1 / 2 $\leftrightarrow$ 50 Ω
-C +2	C $\leftrightarrow$ 2 / 1 $\leftrightarrow$ 50 Ω

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Radial:

R585853400