

Model: CS24T40, SPDT Coaxial Switch

PRODUCT FEATURES:

- SPDT Electromechanical Pulse Latching Switch
- DC to 40GHz
- 2.92mm

ELECTRICAL SPECIFICATIONS:

Frequency range	DC-40GHz
Impedance	50 Ω
Operation mode	Latching
Switch sequence	Break before make
Switching time	15 ms max
Mechanical life	5 million min
TTL input	0-0.8 V(OFF), 2.4-5 V(ON)
Rated voltage	24 VDC
Operating current at 23 °C	90 mA

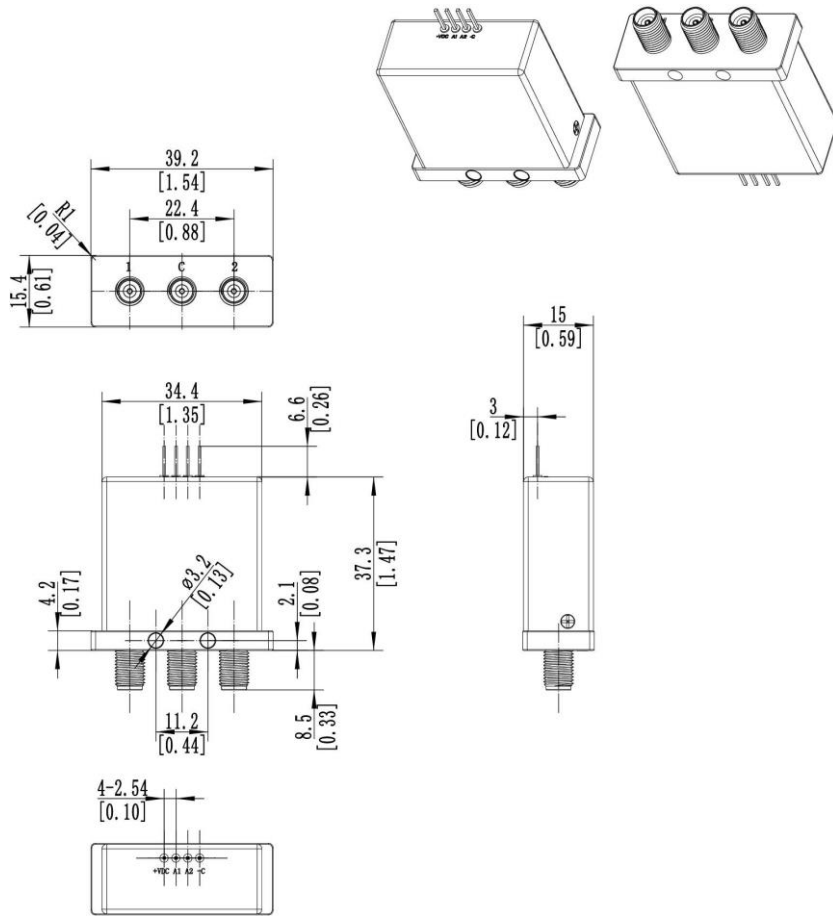
RF SPECIFICATIONS:

Frequency range (GHz)	DC-6	6-12	12-18	18-26.5	26.5-32	32-40
Insertion loss (MAX) dB	0.2	0.25	0.4	0.7	0.8	1.0
Isolation (MIN) dB	70	70	60	55	50	50
VSWR (MAX)	1.2:1	1.3:1	1.4:1	1.7:1	1.9:1	2.0:1

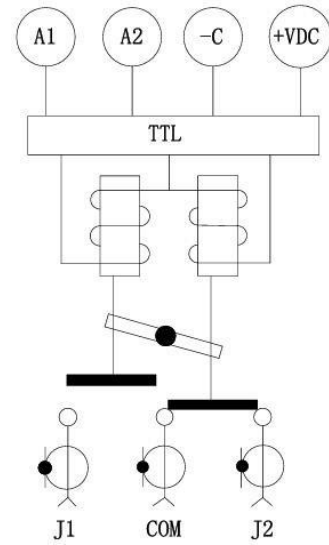
ENVIRONMENTAL AND PHYSICAL CHARACTERISTICS:

Parameter	Condition
Operating temperature range	-55°C to +85°C
Sine vibration (Operating)	20-2000 Hz, 10g
Shocks (Non Operating)	50g / 12ms, ½ine
RF Connector type	2.92 Female
Control connector	4 Pin (2.54 mm)
Weight	50g Max

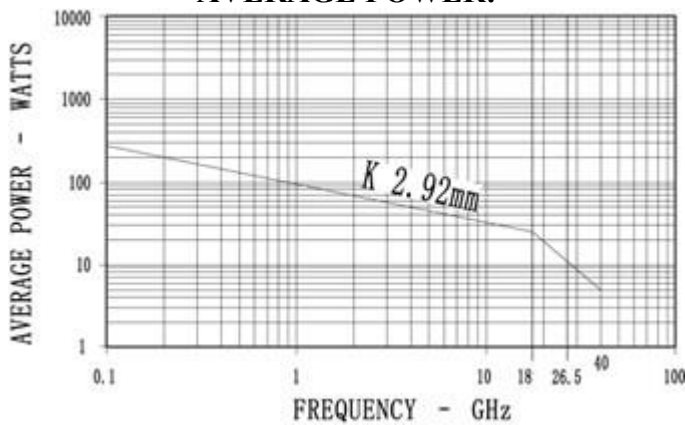
OUTLINE DRAWING (unit mm)



SCHEMATIC



AVERAGE POWER:



This graph is based on the following conditions:

- Ambient temperature: + 25 °C
- Sea level
- V.S.W.R.: 1 and cold switching