

SPDT Coaxial Switch
LF-SPDT-12T50, 2.4 mm, 12 VDC, TTL, DC to 50GHz, DSUB-9
LF-SPDT-24T50, 2.4 mm, 24 VDC, TTL, DC to 50GHz, DSUB-9
LF-SPDT-28T50, 2.4 mm, 28 VDC, TTL, DC to 50GHz, DSUB-9



Electrical Characteristics:

Parameter	Condition		
Frequency range	DC- 50GHz		
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	12	24	28 VDC
Operating current at 23 °C	200	90	80 mA

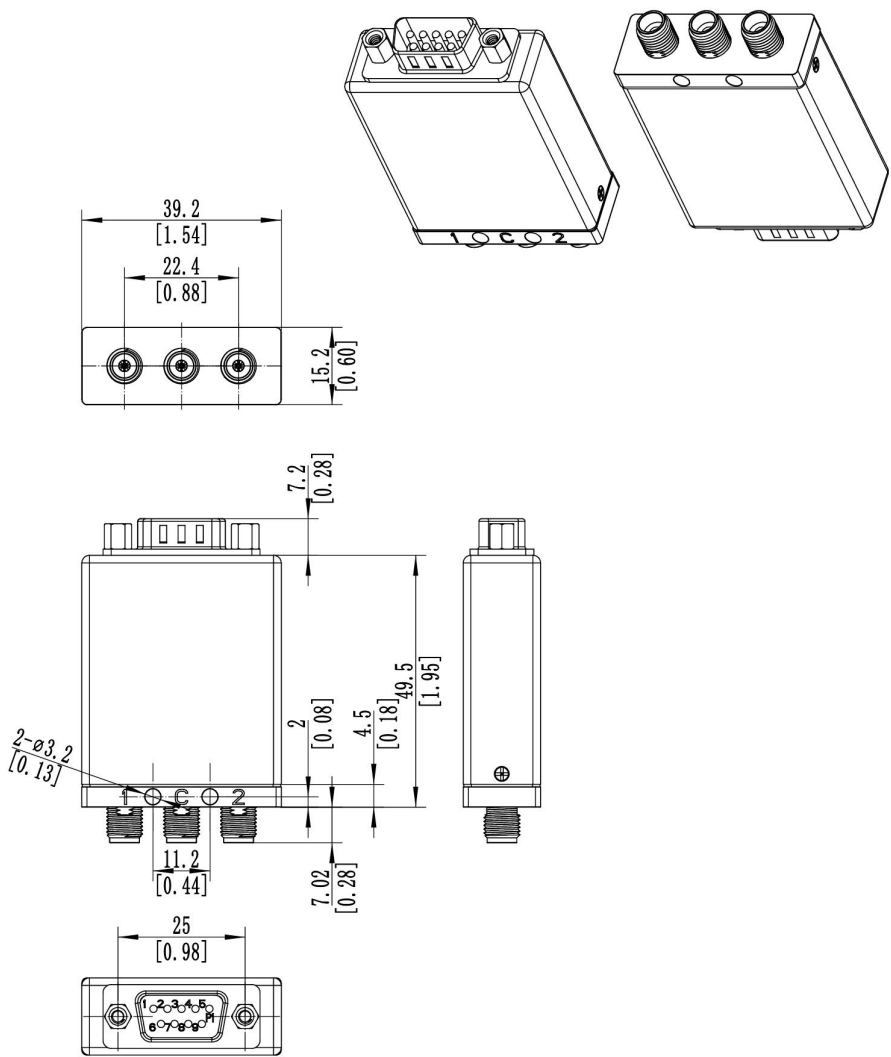
RF Specifications:

FREQUENCY RANGE(GHz)	DC-6	6-12	12-18	18-26.5	26.5-32	32-50
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
V.S.W.R. (MAX)	1.2:1	1.3:1	1.4:1	1.7:1	1.9:1	2.0:1

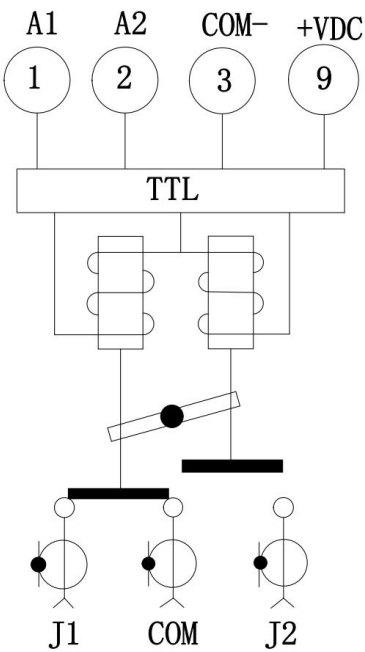
Envrionmental And Physical Characteristics:

Parameter	Condition
Operating temperature range	-25°C to +65°C(Standard) -55°C to +85°C(Optional)
Sine vibration(Operating)	20-2000Hz , 10g
Shocks(Non Operating)	50g / 12ms, ½ sine
RF Connector type	2.4mm Female
Control connector	DSUB-9 Male
Weight	70g Max

Outline Drawing: Unit: mm



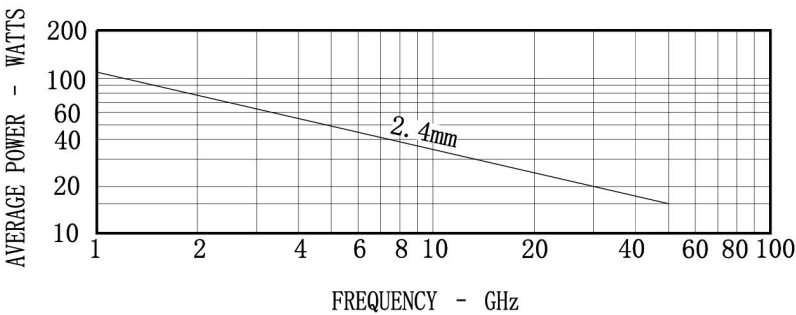
Schematic:



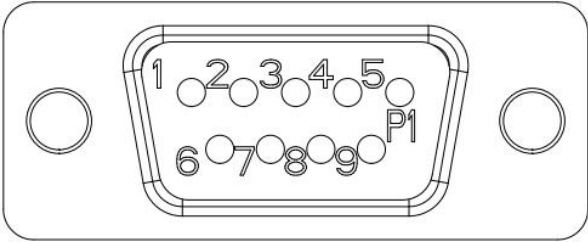
Average power:

This graph is based on the following conditions:

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



Pin Definition:



9 PIN D-SUB		RF Connect Used
Pin NO.	Function	SPDT
1	A1 (TTL IN)	J1-COM
2	A2 (TTL IN)	J2-COM
3	COM-	
4-8	UNUSED	
9	+VDC	