

DPDT Coaxial Switch
LF-DPDT-XX50-DP10
Latching, 12/24/28 VDC, TTL, DC to 50 GHz, 10 Pin connector



Electrical Characteristics:

Parameter	Condition
Frequency range	DC-50 GHz
Impedance	50 Ω
Operation mode	Latching
Switch sequence	Break before make
Switching time	20 ms max
Mechanical life	1 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	400 180 170 mA

RF Specifications:

FREQUENCY RANGE(GHz)	DC-6	6-12	12-18	18-26.5	26.5-40	40-50
INSERTION LOSS (MAX) dB	0.2	0.25	0.4	0.9	1.3	1.3
ISOLATION (MIN) dB	70	70	60	55	50	50
V.S.W.R. (MAX)	1.3:1	1.4:1	1.5:1	1.7:1	2.0:1	2.0:1
AVERAGE POWER (Max)	55W@8GHz, 40W@12GHz, 35W@18GHz, 20W@26.5GHz, 10W@40GHz, 5W@50GHz					

Envrionmental And Physical Characteristics:

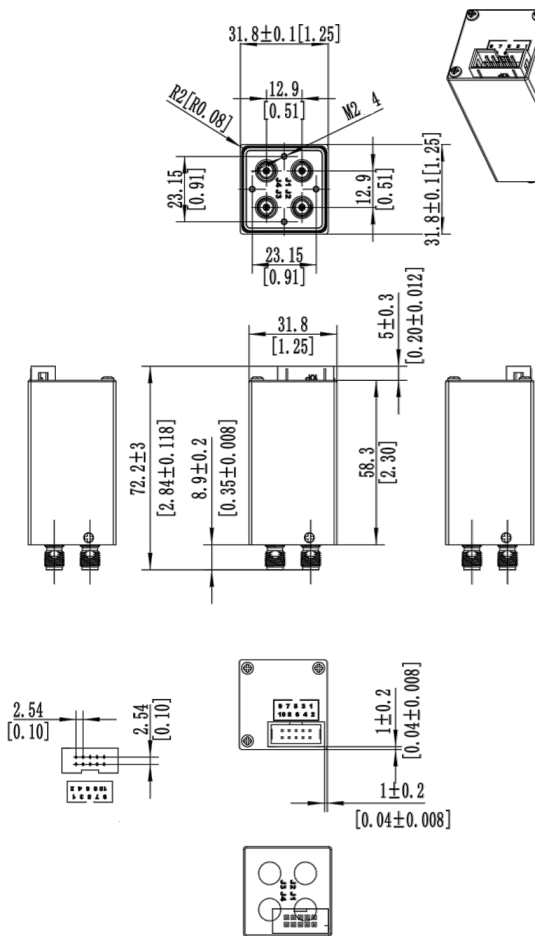
Parameter	Condition
Operating temperature range	-25°C to +65°C -55°C to +85°C (option)
Sine vibration(Operating)	20-2000Hz , 10G RMS
Shocks(Non Operating)	50g / 11msec, ½ sine
RF Connector type	2.4mm Female
Control connector	10pin connector,Male
Weight	120g Max
Housing color	Metallic

DPDT Coaxial Switch
LF-DPDT-XX50-DP10
Latching, 12/24/28 VDC, TTL, DC to 50 GHz, 10 Pin connector

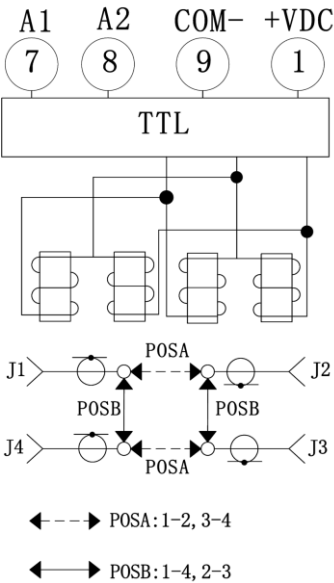


Outline Drawing:

Unit: mm



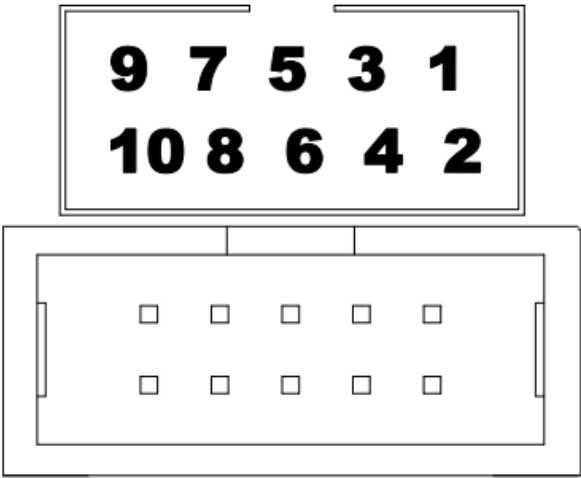
Schematic:



DPDT Coaxial Switch
LF-DPDT-XX50-DP10
Latching, 12/24/28 VDC, TTL, DC to 50 GHz, 10 Pin connector



Pin Definition:



10pin connector , Female		RF Connect Used
Pin NO.	Function	DPDT
1	+VDC	
2	UNUSED	
3	UNUSED	
4	UNUSED	
5	UNUSED	
6	UNUSED	
7	A1(TTL IN)	POSA:J1-J2,J3-J4
8	A2(TTL IN)	POSB:J1-J4,J2-J3
9	COM-	
10	UNUSED	