

FEATURE:

- Solid State, Mixture Integrated
- High Speed, Low Loss, High Isolation
- Field Removable SMA(F) Connector
- Integrated with Driver

APPLICATION:

- Test equipment
- Radar & Warfare system
- Communication system



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	8		12	GHz
Insertion Loss		4.8		dB
Isolation	80			dB
VSWR			1.8	Ratio
Power handling			0.2	watt
Switching Time			50	ns
DC Power supply +5V		240		mA
DC Power supply -5V		160		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-40		+85	°C
Non-operating Temperature	-55		125	°C
Relative humidity (non-condensing)		95		%
Altitude (MIL-STD-810F)	10000		30000	feet
Shock / Vibration (MIL-STD-810F)		Airbone		

MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	105*38*12	Max	Millimeter
Weight	200	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

DB15 PIN ASSIGMENT:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
C1	C2	C3	NC	NC	NC	NC	NC	NC	NC	NC	NC	+5V	-5V	GND

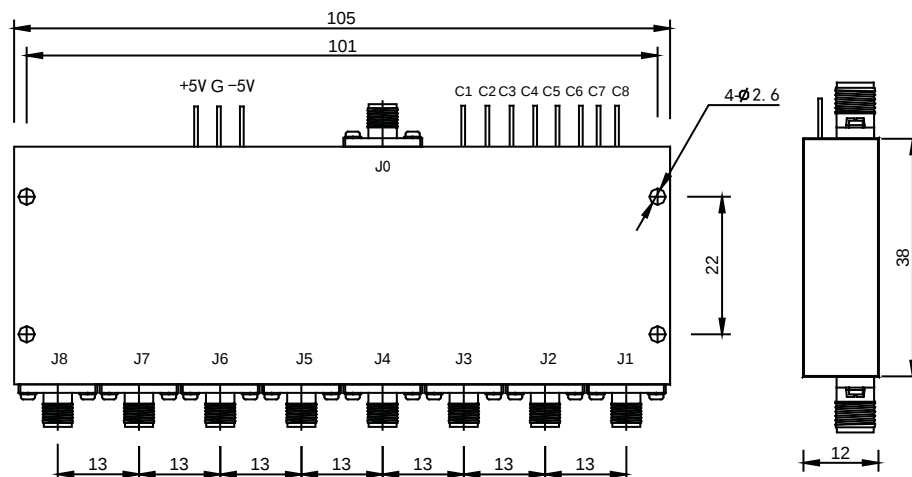
C3	C2	C1	Signal Path
0	0	0	J0-J1
0	0	1	J0-J2
0	1	0	J0-J3
0	1	1	J0-J4
1	0	0	J0-J5
1	0	1	J0-J6
1	1	0	J0-J7
1	1	1	J0-J8

TTL CONTROL LOGIC

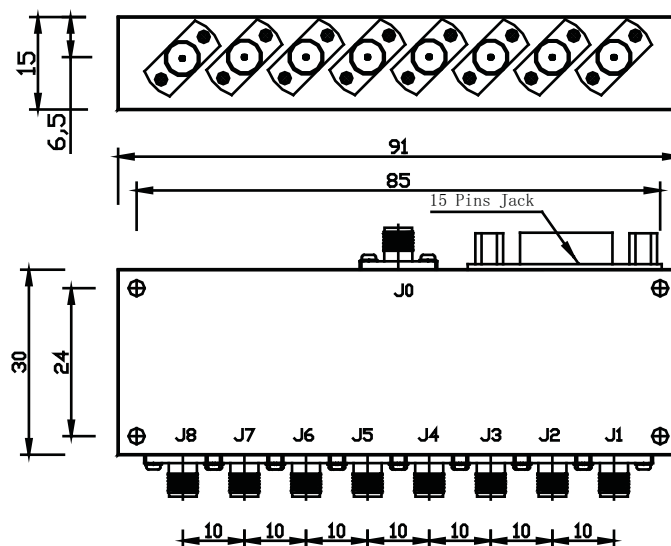
Logic 0 (low) (0 to 0.8 V) : Isolation

Logic 1 (high) (2.4 to 4.7 V) : Insertion loss

OUTLINE DRAWING(mm):



8W1



8W2