

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	0.5		18	GHz
Insertion Loss		3.8		dB
Isolation	80			dB
VSWR			2.2	Ratio
Power handling			0.2	watt
Switching Time			50	ns
DC Power supply +5V		120		mA
DC Power supply -5V		80		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:

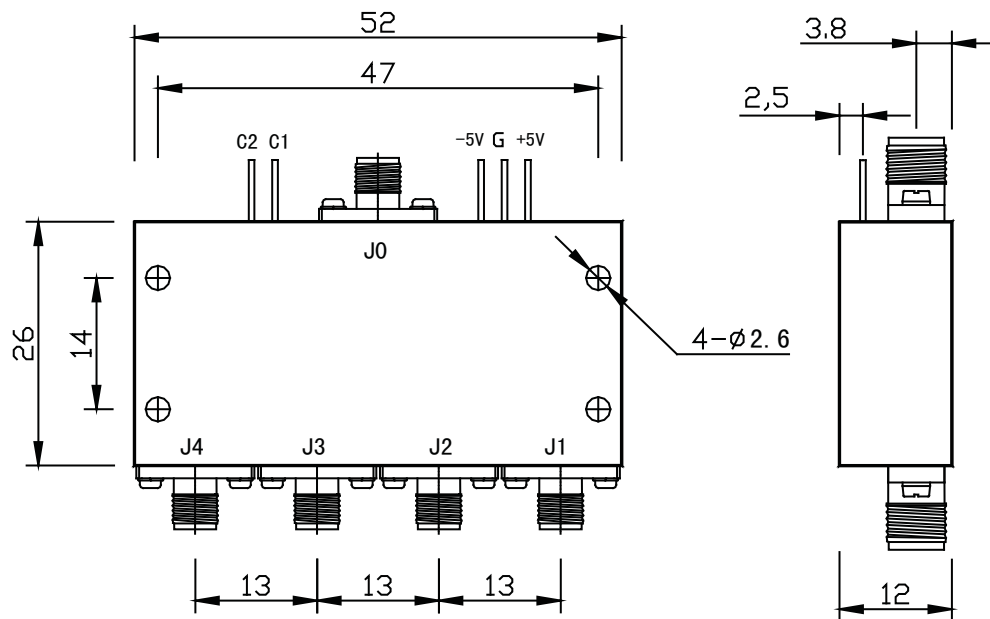
Parameter	Value	Limits	Units
Dimensions	52*26*12	Max	Millimeter
Weight	150	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

TTL CONTROL LOGIC

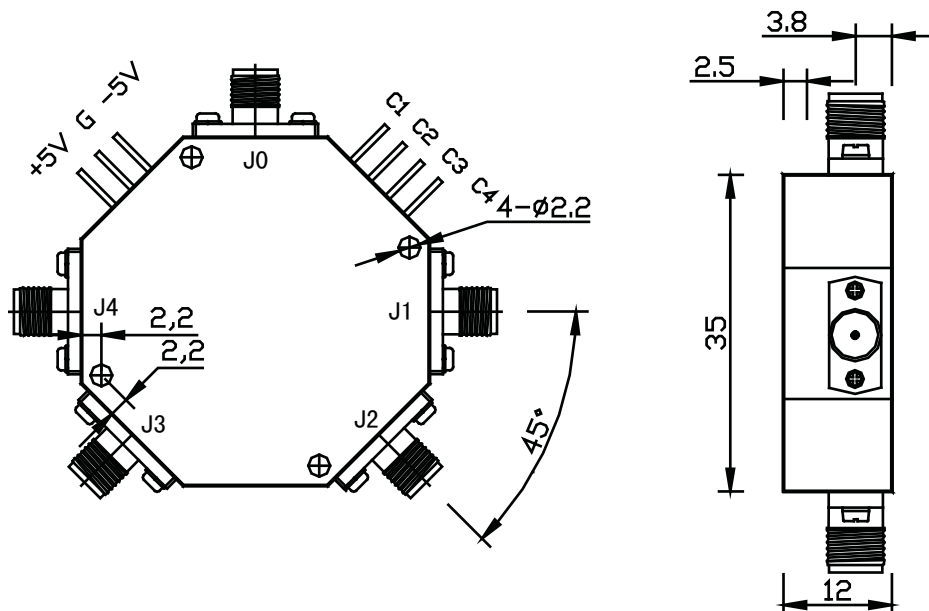
TTL 0 (low) (0 to 0.8 V) :Loss

TTL 1 (high) (2.4 to 4.7 V) :Isolation

OUTLINE DRAWING(mm):



4W1



4W2

TEST DATA:

Normal temperature test

Frequency 0.5-18(GHz)				
Out	IL(dB)		VSWR (Max)	ISO(dB)
	Min	Max		
J1	0.81	3.75	1.81	80
J2	0.77	3.72	1.65	81
J3	0.76	3.75	1.66	80
J4	0.77	3.87	1.52	81

Low temperature (-45℃) test

Frequency 0.5-18(GHz)			
Out	IL(dB)		ISO(dB)
	Min	Max	
J1	0.76	3.81	81
J2	0.73	3.68	82
J3	0.73	3.71	82
J4	0.74	3.75	80

High temperature (+85℃) test

Frequency 0.5-18(GHz)			
Out	IL(dB)		ISO(dB)
	Min	Max	
J1	0.86	3.89	80
J2	0.82	3.81	81
J3	0.79	3.81	81
J4	0.81	3.79	82