

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	2		18	GHz
Insertion Loss		3.3		dB
Isolation	80			dB
VSWR			2.0	Ratio
Power handling			0.2	watt
Switching Time			50	ns
DC Power supply +5V		90		mA
DC Power supply -5V		60		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		

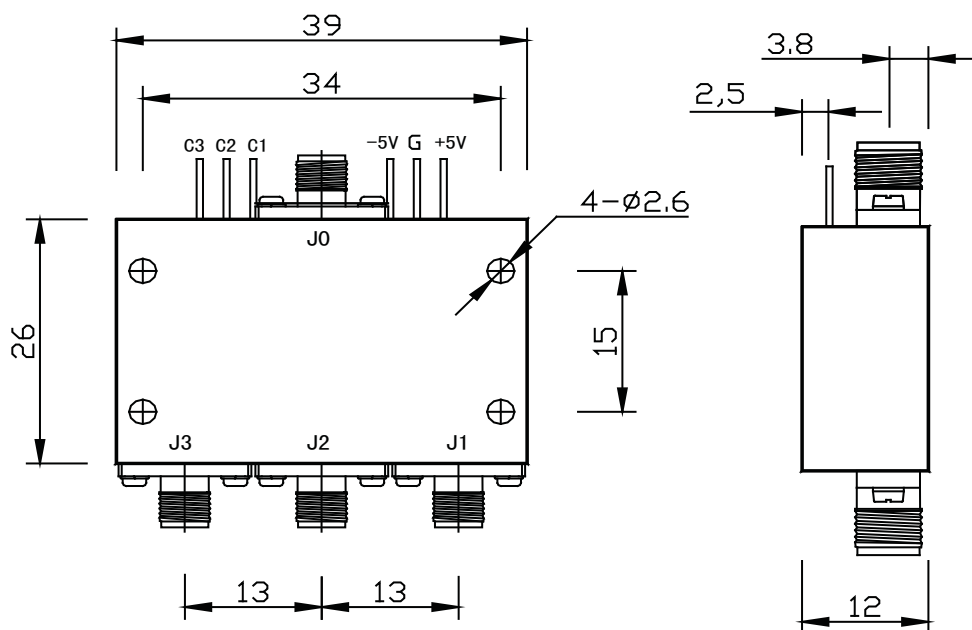
MECHANICAL SPECIFICATIONS:

Parameter	Value	Limits	Units
Dimensions	39*26*12	Max	Millimeter
Weight	50	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

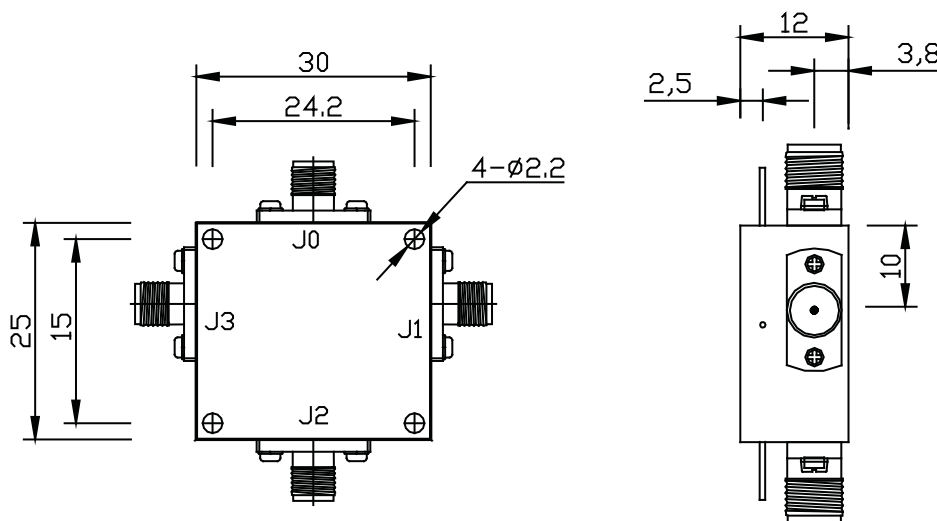
TTL 0 (low) (0 to 0.8 V) :Loss

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

OUTLINE DRAWING(mm):



3W1



3W2



SP3T ABSORPTIVE PIN SWITCH SP3T020180A8

TEST DATA:

Frequency 2-18(GHz)				
Out	IL(dB)		VSWR (Max)	ISO(dB)
	Min	Max		
J1	1.17	3.62	1.54	81
J2	1.18	3.68	1.52	80
J3	1.17	3.76	1.43	81

Low temperature (-40℃):

Frequency 2-18(GHz)			
Out	IL(dB)		ISO(dB)
	Min	Max	
J1	1.09	3.74	82
J2	1.09	3.93	81
J3	1.12	3.83	81

High temperature (+70℃):

Frequency 2-18(GHz)			
Out	IL(dB)		ISO(dB)
	Min	Max	
J1	1.23	3.69	81
J2	1.23	3.84	82
J3	1.22	3.86	81