

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		4.3		dB
Isolation	80			dB
VSWR			2.0	Ratio
Power handling			0.2	watt
Switching Time			50	ns
DC Power supply +5V		180		mA
DC Power supply -5V		120		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:

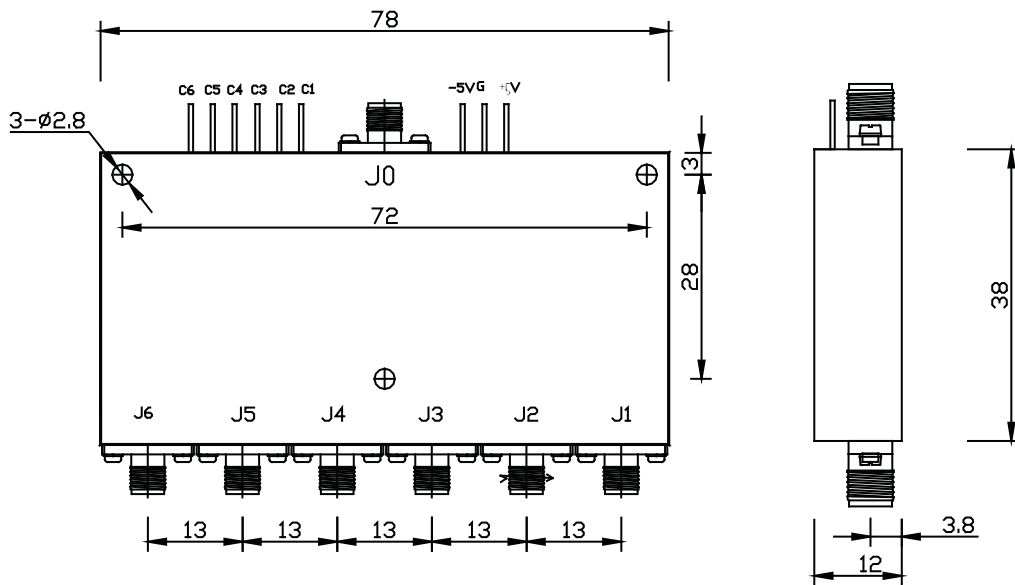
Parameter	Value	Limits	Units
Dimensions	78*38*12	Max	Millimeter
Weight	150	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

TTL CONTROL LOGIC

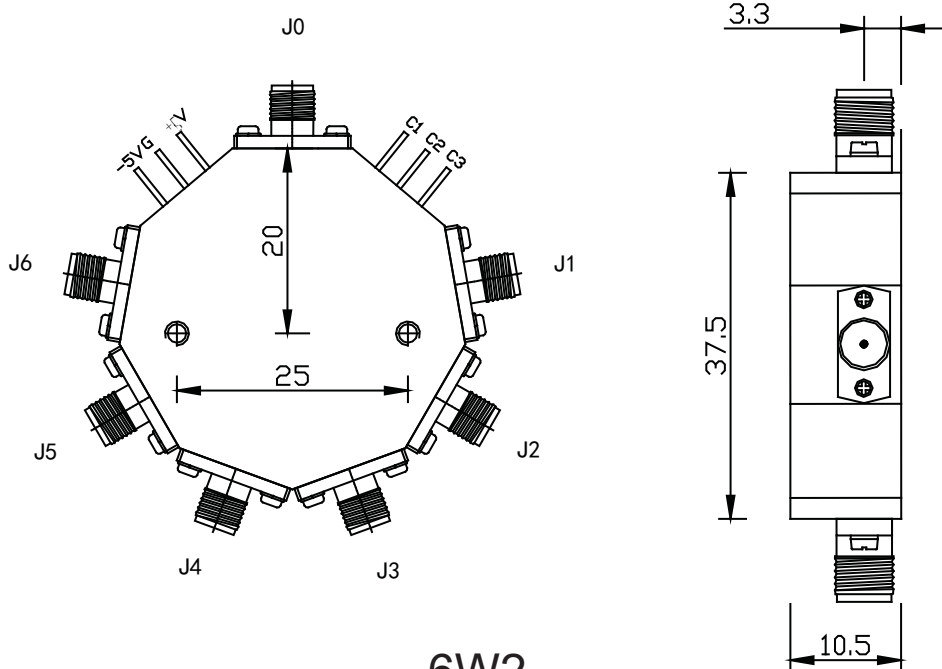
TTL 0 (low) (0 to 0.8 V) :Loss

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

OUTLINE DRAWING(mm):



6W1



6W2



SP6T ABSORPTIVE PIN SWITCH

SP6T020180A8

TEST DATA:

OUT	Frequency 2-18(GHz)			
	IL(dB)		VSWR (Max)	ISO(dB)
	Min	Max		
J1	1.53	4.77	1.93	82
J2	1.55	5.42	1.94	82
J3	1.42	4.52	1.95	81
J4	1.5	4.74	2	82
J5	1.68	5.36	1.98	81
J6	1.62	4.82	1.94	81