

FEATURE:

- Solid State,Mixture Integrated
- High Speed,Low Loss,High Isolation Integral with Driver
- Field Removable SMA(F) Connector
- Operating Temperature:-55~+85°C
- Contorl:TTL"0"Loss,TTL"1"Isolation

APPLICATION:

- Test equipment
- Radar&Warfare system
- Communication system



ELECTRICAL SPECIFICATIONS@25°C:

Parameter	Min	Typical	Max	Units
Frequency Range	0.03		0.512	GHz
Insertion Loss			1	dB
Isolation	30			dB
VSWR			1.8:1	Ratio
Switching Times			2	us
CW Power			75	watt
DC Power supply +5V		100		mA
DC Power supply -60V		20		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Operating Temperature	-40		+70	°C
Non-operating Temperature	-55		+85	°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	50*30*19	Max	Millimeter
Weight	100	Max	gram
RF Connectors Input	SMA-F		
RF Connectors output	SMA-F		
Impedance	50		ohms

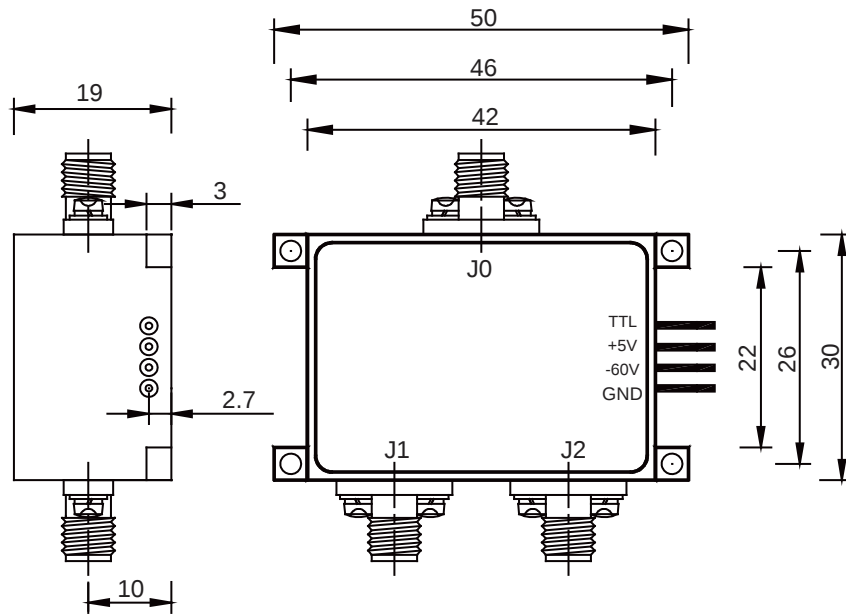
DC Power can be based on user's spec

TTL CONTROL LOGIC

TTL 0 (low) (0 to 0.8 V) :J0-J1

TTL 1 (high) (2.4 to 4.7 V) :J0-J2

OUTLINE DRAWING(mm):



DW6

TEST DATA:

		VSWR<1.8		IL(dB)<0.8dB			ISO>30 (dB)	Switching Times<2us
		S11(max)	S22(max)	30MHz	270MHz	512MHz		
+25℃	IN-OUT1	1.61	1.61	0.65	0.52	0.6	34.6	1.2us
	IN-OUT2	1.61	1.62	0.64	0.52	0.6	34.7	
+70℃	IN-OUT1	1.61	1.61	0.67	0.55	0.63	35.9	--
	IN-OUT2	1.6	1.61	0.67	0.56	0.64	36.2	
-40℃	IN-OUT1	1.62	1.62	0.62	0.48	0.55	34	--
	IN-OUT2	1.61	1.63	0.62	0.5	0.57	32.8	