

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		4	GHz
Insertion Loss		1.7		dB
Isolation	80			dB
VSWR			1.5	Ratio
Power handling			0.5	watt
Switching Time			50	ns
DC Power supply +5V		150		mA
DC Power supply -5V		100		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	65*36*12	Max	Millimeter
Weight	150	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

Technical drawing of the J0 module, showing top and side views with dimensions.

Top View Dimensions:

- Overall width: 65
- Width of the top section: 60
- Overall height: 36
- Height of the bottom section: 24
- Pin pitch (between J1 and J5): 13
- Pin pitch (between C1 and C5): 13

Top View Labels:

- Top pins: C5, C4, C3, C2, C1, -5V, G, +5V
- Bottom pins: J5, J4, J3, J2, J1
- Module identifier: J0
- Mounting holes: 4- $\varnothing 2.6$

Side View Dimensions:

- Height of the top section: 2,5
- Height of the bottom section: 3,8
- Width of the bottom section: 12

Technical drawing of the 5W2 vacuum tube, showing top and side views with dimensions and pinout labels.

Top View:

- Pinout labels: $+5V$, G, $-5V$, J0, C1, C2, C3, C4, C5, J1, J2, J3, J4, J5.
- Dimensions: $4-\phi 2.2$ (hole spacing), 45° (filament lead angle).

Side View:

- Overall height: 35.
- Base width: 12,25.
- Top flange width: 3.8.

5W2