

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		2.5	GHz
Insertion Loss			0.8	dB
Isolation	55	60		dB
VSWR			1.5	dB
Power Handling(CW)	50			watt
Switching Times			1	us
DC Power supply +5V		400		mA
DC Power supply -28V		40		mA

Note:SMA Female Field Removable Connectors.

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	40*30*17	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) :J0-J1
TTL 1 (high) (2.4 to 4.7 V) :J0-J2

The mechanical drawing illustrates the J0 module from three perspectives: top, side, and bottom views.

- Top View:** Shows a rectangular module with a width of 17 mm. It features two sets of three circular components (likely pins or connectors) arranged symmetrically. The distance between the centers of these two sets is 17 mm, and the distance from the center of each set to the nearest edge is 5 mm.
- Side View:** Shows the module's profile with a total height of 30 mm. It includes a top SMA-F connector (removable $\Phi 0.5$), a bottom SMA-F connector, and a central J0 label. The distance from the top connector to the center is 25 mm, and from the center to the bottom connector is 20 mm. The module is secured with four screws ($4-\Phi 2.2$) and has four mounting holes ($4-\Phi 0.8$) on the right side, spaced 2.54 mm apart.
- Bottom View:** Shows the module's base with a width of 17 mm and a height of 9.5 mm. It features a central circular component (likely a pin or connector) and a J0 label.

Additional dimensions and labels include:

- Top View Dimensions:** 17 mm (width), 17 mm (distance between connector sets), 5 mm (distance from connector sets to edge).
- Side View Dimensions:** 30 mm (total height), 25 mm (height to center), 20 mm (height from center to bottom), 16.5 mm (width of the bottom view), 40 mm (total width), 35 mm (width to center), 30 mm (width from center to edge), 2.54 mm (spacing of mounting holes), 4- $\Phi 2.2$ (screws), 4- $\Phi 0.8$ (mounting holes).
- Labels:** J0 (module identifier), J1, J2 (connector labels), GND, -28V, +5V, TTL (pin labels).

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