

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		18	GHz
Insertion Loss		2.7		dB
Isolation	80			dB
VSWR			2.2	Ratio
Power handling			0.5	watt
Switching Time			50	ns
DC Power supply +5V		60		mA
DC Power supply -5V		40		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	30*20*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

Technical drawing of the PCB showing top and side views with dimensions and labels.

Top View Dimensions:

- Overall width: 30
- Overall height: 26
- Distance from top edge to J0: 16
- Distance from left edge to J2: 2-Ø2.6 (indicated by a leader line)
- Distance from bottom edge to C1: 16
- Distance from right edge to J1: 16

Labels and Components:

- J0, J1, J2: JST connectors
- C1, C2: Capacitors
- G: Ground pin
- 5v, +5v: Power pins

Side View Dimensions:

- Overall height: 20
- Distance from bottom edge to J1: 2,5
- Distance from top edge to J0: 3,8
- Distance from left edge to J2: 12

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