

FEATURES

- Whole Solid State, Mixture Integrated
- Low Power Consumption
- Excellent Flatness & Accuracy
- Miniature Sizes for drop-In available

APPLICATIONS

- Military & Space
- Radar & Electronic warfare
- Test Equipment

**ELECTRICAL SPECIFICATIONS@25°C:**

Parameter	Min	Typical	Max	Units
Frequency Range	0.5		18	GHz
Insertion Loss			4.5	dB
Mean attenuation Range	0		30	dB
Step Size			1	dB
Control bits		5		bits
Attenuation accuracy			±1.5	dB
Speed			100	ns
Flatness		±1.5		dB
VSWR			2.2:1	Ratio
DC Power +5V		50		mA
DC Power -5V		50		mA

ENVIRONMENTAL RATINGS:

Parameter	Min	Typical	Max	Units
Max Input Power			27	dBm
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		
ROHS		Compliant		

MECHANICAL SPECIFICATIONS:

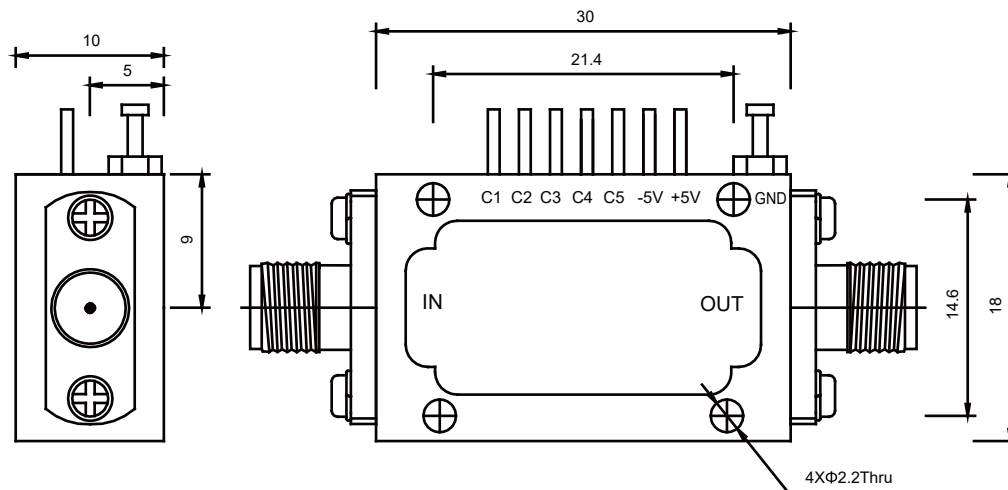
Parameter	Value	Limits	Units
Dimensions	30*18*10		Millimeter
Weight	100	type	gram
RF Connectors Input	SMA-F removable		
RF Connectors output	SMA-F removable		
Impedance	50		ohms

TTL CONTROL LOGIC

TTL low loss

TTL high atten

OUTLINE DRAWING(mm):



T4

TEST DATA:

Type	Frequency 0.5-18GHz		
	IL (dB)		VSWR (max)
01#	2.90	5.22	1.86
C5C4C3C2C1	Target value	Testing value	Testing value
0 0 0 0 1	1	0.78	1.54
0 0 0 1 0	2	1.80	2.49
0 0 1 0 0	4	3.91	4.85
0 1 0 0 0	5	7.56	8.64
1 0 0 0 0	16	16.14	17.17
1 1 1 1 1	31	30.71	33.72