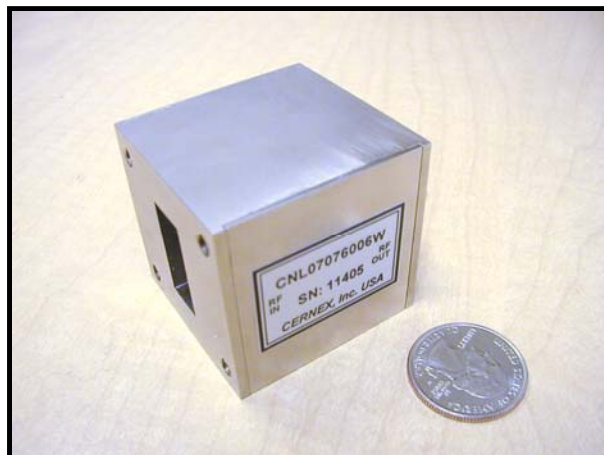




### 7.25-7.75GHz WAVEGUIDE LNA

#### FEATURES:

- ❖ Solid State Class A design
- ❖ 50 Ohms In/Out Impedance
- ❖ Rugged Construction
- ❖ Very Compact Size



#### APPLICATIONS:

- ❖ Satellite Communications
- ❖ Point to Point Communications

MODEL # CNL07076008W

#### ELECTRICAL SPECIFICATIONS @ T =25°C, 50• SYSTEM

Parameter	Min	Typ	Max	Unit
Operating Frequency	7.25		7.75	GHz
Noise Temperature (°K)			60	°K
Gain	60			dB
Gain Flatness			±1	dB
Input VSWR			1.3:1	-
Output VSWR			1.8:1	-
Output Power @ P1dB	10			dBm
DC Voltage		12		Volt
DC Current		150		mA

#### ENVIRONMENTAL CHARACTERISTICS

Parameter	Min	Typ	Max	Unit
Operating Temperature	-40		60	°C

#### MECHANICAL SPECIFICATIONS

Parameter	Value	Unit	Limit
Input Connectors	WR112		
Output Connectors	SMA-F		
Dimensions (WxLxH)	2.5''x 2''x 1.8''	Inch	Max

OTHER FREQUENCIES, NF AND POWER LEVEL ARE ALSO AVAILABLE UPON REQUEST  
 CERNEX RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE