



3.4-4.2GHz 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 # CNL03046006W

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

Parameter	Min	Typ	Max	Unit
Operating Frequency	3.4		4.2	GHz
Noise Temperature (°K)			45	°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		200		mA

ENVIRONMENTAL CHARACTERISTICS

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

MECHANICAL SPECIFICATIONS

Parameter	Value	Unit	Limit
Input Connectors	WR229		
Output Connectors	N-F		
Dimensions (WxLxH)	3.9''x 2.9''x 2.8''	Inch	Max

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