

# CERNEXWAVE

## 1-40GHz 12" Desktop LNA

### FEATURES:

- ❖ Solid State Class A design
- ❖ 50 Ohms In/Out Impedance
- ❖ Rugged Construction
- ❖ Economically Prices

### APPLICATIONS:

- ❖ Bench Top
- ❖ Mobile Station



MODEL # CBL01403060R

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

Parameter	Min	Typ	Max	Unit
Operating Frequency	1		40	GHz
Small Signal Gain	30		40	dB
Output Power @ 1dB	10			dBm
PSAT	12			dBm
Max. Input Power			-5	dBm
Gain Flatness		8	10	dB
Input VSWR			2.25:1	-
Output VSWR			2.25:1	-
Noise Figure			6*	dB
IP3	-	20	-	dBm
Harmonics @ P1dB		25		dBc
Spurious			60	dBc
DC Voltage	-	-	-	Volt
AC Voltage (Single phase)	110		240	Volt
DC Current			350	mA

### **ENVIRONMENTAL CHARACTERISTICS**

Parameter	Min	Typ	Max	Unit
Operating Temperature	0		50	°C
Non-Op. Temperature	-65		150	°C
RH w/o condensation			95	%

### **MECHANICAL SPECIFICATIONS**

Parameter	Value	Units	Limits
Dimensions or Package	11.82 X11.82X3.5	Inch	Max
RF Connectors (In/Out)	K-F		

CERNEXWAVE RESERVE THE RIGHT TO CHANGE THE SPECIFICATIONS WITHOUT NOTICE.

\* NF CAN BE 5DdB MAX. FROM 2-40GHz