



**K-Band Low Noise Block
MODEL # CNB18186015**

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

Parameter	Min	Typ	Max	Unit
Input Frequency	18.3		18.8	GHz
IF Frequency	950		1450	MHZ
LO Frequency	17.35			GHZ
Noise Figure			1.5	dB
Conversion Gain			60	dB
Image Rejection	40			dBc
Input VSWR	2.0:1			
Output VSWR	2.0:1			
Compression Point P1dB		+5		dBm
LO Stability (in PPL)		+/-1.5		ppm
Phase noise @ Offset				dBc/Hz
1 kHz		-70		
10 kHz		-80		
100 kHz		-90		
DC Voltage		12	30	Volt
DC Current		300		mA
IF Input Interface	WR 42			
Output Interface	75 ohms N-Type (F) Con			

EXTERNAL REFERENCE

Parameter	Min	Typ	Max	Unit
Frequency		10		MHz
Power	-5		+5	dBm
Ext Ref Phase Noise Requirement @ 10kHz		-145		dBc/Hz

ENVIRONMENTAL CHARACTERISTICS

Parameter	Min	Typ	Max	Unit
Operating Temperature	-40		+60	°C
RH w/o condensation			90	%

CERNEX, Inc.

MECHANICAL SPECIFICATIONS

Parameter	Value	Units	Limits
Dimensions or Package	93.00mm (L) x 75.00mm (W) x 31.00mm (H)	mm	
Color	White Powder Coated		
Weight	300g		

