



KA-200
Single Linear LNB

PARAMETERS	SPECIFICATION				CONDITION
	Min.	Typical	Max.	Unit	
Input Frequency Range	18.3		18.8	GHz	
Local Oscillator Frequency		17.35		GHz	
Output Frequency Range	950		1450	MHz	
LO Frequency Stability, Initial & Over 10-Year Lifetime Frequency			±2	MHz	@ -34 ~ 52° C
LO Signal Radiation			-43	dBm	
Conversion Gain	50		62	dB	@ -34 ~ 52° C
Gain Variation over 500 MHZ			±3	dB	@ 23° C
Max Input Power Operating			-70	dBm	
Noise Figure			1.6	dB	@ 23° C
LO Phase Noise			-64	dBc/Hz	@5KHz offset under Vibration
			-70	dBc/Hz	@ 10KHz offset under Vibration
			-90	dBc/Hz	@ 100KHz offset under Vibration
			-110	dBc/Hz	@ 1MHz offset under Vibration
Image Rejection	40			dB	
Input Spurious Rejection to: Tx in-band Tx out-of-band		-30		dBm	Apply to LNB RF input, and LNB shall not degrade
Output 3 rd Order Interception (IP3) Point		10		dBm	
In-band Spurious Output Level		-30		dBc	
Immunity to Surge & Lightning ESD					Air: ±15KV with no damage Contact: ±8KV with no damage
Surge		3		KV	With no damage
Output Impedance		75		Ohms	Female F connector
Output VSWR			2:1		@75 ohms system
1dB Compression Point	0			dBm	Output Power
Power Supply Current Drain		125	150	mA	@ 23° C
Power	+12		+24	VDC	

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

Pro Brand International, Inc. (770) 423-7072 Fax (770) 423-7075

1900 West Oak Circle, Marietta, GA 30062, U.S.A. www.eagleaspen.com sales@pbgroup.com