

Intellian® All-Americas™ LNB

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is a dual-band circular LNB (Low Noise Block) unit for continuous reception of satellite TV programming throughout the Americas.

Designed and manufactured by Intellian's in-house engineering, the All-Americas™ LNB combines two circular polarized LNB receivers into one device to ensure seamless and uninterrupted satellite TV service across multiple satellite coverage areas. With the press of a remote control button on the Antenna Control Unit, boaters can switch between DIRECTV, DISH Network or Bell TV in North America and DIRECTV Latin in Central and South America.

Offering affordable and flawless access to the greatest number of channels at sea, Intellian's new All-Americas™ LNB presents commercial and recreational boaters with a convenient, continuous satellite TV solution for optimum entertainment throughout the Western Hemisphere.



Technical Specifications

Characteristics	LOW BAND	HIGH BAND
Input Frequency	11.45GHz ~ 12.20GHz	12.20GHz ~ 12.75GHz
Local Frequency	10.5GHz ±1MHz (@ 25°C)	11.25GHz ±1MHz (@ 25°C)
Local Stability	±2MHz (-30°C to +60°C)	±2MHz (-30°C to +60°C)
Output Frequency Range	950MHz ~ 1700MHz	950MHz ~ 1450MHz
Noise Figure (@ 25°C)	0.8 dB Typ (1.1dB Max)	
Conversion Gain	55 dB Typ	
Gain Ripple	1.0 dB p-p (@ per channel)	
Gain Flatness	6.0 dB p-p	
Output VSWR	2.5 : 1 Typ	
Output Impedance	75 Ohms	
Output Connector	Two Output F - female connector	
Crosspol Discrimination	> 25 dB	
Image Rejection	> 40 dBc	
Phase Noise	-50 dBc / Hz (@ 1kHz)	
	-77 dBc / Hz (@ 10kHz)	
	-95 dBc / Hz (@ 100kHz)	
LNB Supply Voltage & Control Signals	- RHCP : 11.5 V to 14.0 V (13.0 VDC Typ.)	
	- LHCP : 16.0 V to 19.0 V (18.0 VDC Typ.)	
	- Continuous 22kHz, 0.6±0.2 Vp-p for High Band Selection	
Current Consumption	300mA Max.	
Operating Temperature	-30°C to +60°C	
Storage Temperature	-40°C to +80°C	
Relative Humidity	0% to 95% RH	
Weight	160g	



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