Antenna
13°K C-Band LNB

CHARACTERISTICS

GDI Technology **13°K C-Band LNB** provides optimized reception capabilities. It enables the reception of signal from one satellite and its distribution to a single tuner Set-top box. It is ready for High Definition transmissions and provides excellent Noise Figure performance. Manufactured to the highest industry quality standards and designed to meet strict specifications, this LNB is an ideal solution for C-band satellite broadcast reception.

+305.969.2047 | 1 800.582.5116
sales@gditechnology.com
12400 SW, 134 CT. Suite 14 Miami, FL 33186

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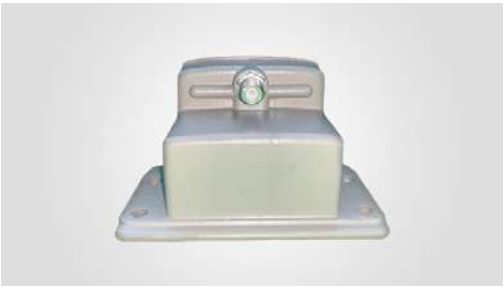
SPECIFICATIONS

MODEL:	• C-BAND LNB
INPUT FREQUENCY:	• 3.7 - 4.2 GHz (13K)
L.O. FREQUENCY:	• 5.15 GHz ± 1 MHz
STABILITY:	• ±2 MHz(-40 °C ~ +70 °C)
L.O. PHASE NOISE:	• 55 dBc/Hz@1KHz • 85 dBc/Hz@1KHz • 105 dBc/Hz@1KHz
OUTPUT FREQUENCY:	• 950 – 1450 MHz (13K)
CONVERSION GAIN:	• 65 dB (TYP)
GAIN FLATNESS:	• ±0.5 dB/36 MHz
NOISE FIGURE:	• 13°K
INPUT V.S.W.R:	• 2.5:1
OUTPUT V.S.W.R:	• 2.5:1
LOCAL LEAKAGE AT INPUT:	• -45 dBm
IMAGE REJECTION:	• 50 dB
OUTPUT POWER:	• + 5 dBm (AT 1 dB COMPRESSION)
CROSS POLAR ISOLATION:	
DC SUPPLY VOLTAGE:	• 11-14.5 V (V)OR15.5-22 V (H)
SUPPLY CURRENT:	• 130 mA (MAX)
OPERATING TEMPERATURE:	• -40 °C ~ +70 °C
RELATIVE HUMIDITY:	• 0%~95%
RF INPUT CONNECTER:	• WAVE GUIDE WC-229
IF OUTPUT CONNECTER:	• "F" TYPE FEMALE
OUTPUT IMPEDANCE:	• 75 OHMS



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