



Specifications:

SINGLE LNB Product Specification
Model k851DIRf input
Input frequency range 11.7-12.7 ghz

If input

Output Frequency Range 950-1450 mhz
Output Connector Type 75 ohm Female Connector
Output VSWR 2.5:1 (max) @ Room Temperature

Local Oscillator

LO Frequency: 10.75 Ghz
LO Frequency Stability:
+- 1 mhz (max) @ Room Temperature
+- 3 mhz (max) @ -40 C - +60 C
LO Frequency Phase Noise:
-50 dbc/hz @ 1khz (max) @ Room Temperature
-75 dbc/hz @ 10khz (max) @ Room Temperature
-95 dbc/hz @ 100khz (max) @ Room Temperature

Conversion Performance @ Room Temperature

Conversion Gain 55 (typ) 62db
Gain Variation 5db p-p (max)
Gain Flatness (across any 26 Mhz segment) 2 db (Max)
Noise Figure 0.4 db (Typ)
Image Rejection 40db (Min)
Cross polarization (db) 25 db (min)

Power Requirements

DC Current Consumption 110 mA (Typ)
Operating Voltage Vertical: 11.5 – 14 Vdc