

# Pro Black LNB



## Main Features

Noise Figure - Upto 0.1dB

**L.O. PHASE NOISE**

**-70 dBc/Hz@1KHz / -90 dBc/Hz@10KHz / -105 dBc/Hz@100KHz**

**INPUT FREQUENCY - 10.7~12.75 GHz**

**L.O. FREQUENCY - 9.75/10.6GHz  $\pm$  1 MHz**

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# Pro Black LNB

MODEL	PRO LNB
INPUT FREQUENCY	10.7~12.75 GHz
L.O. FREQUENCY	9.75/10.6GHz $\pm$ 1 MHz
STABILITY	$\pm$ 2 MHz(-40 $^{\circ}$ C - +70 $^{\circ}$ C)
L.O. PHASE NOISE	-70 dBc/Hz@1KHz -90 dBc/Hz@10KHz -105 dBc/Hz@100KHz
OUTPUT FREQUENCY	950-2150 MHz
CONVERSION GAIN	65 dB (TYP)
GAIN FLATNESS	$\pm$ 0.5 dB/36 MHz
NOISE FIGURE	Upto 0.1dB
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	23dB MIN
DC SUPPLY VOLTAGE	11-14.5 V (V), 15.5-22 V (H)
SUPPLY CURRENT	130 mA (MAX)
OPERATING TEMPERATURE	-40 $^{\circ}$ C ~ +70 $^{\circ}$ C
RELATIVE HUMIDITY	0%~95%
LOW/HIGH BANDS SWITCHING	Low Band: 0 kHz High Band:22kHz $\pm$ 4kHz
IF OUTPUT CONNECTER	"F" TYPE FEMALE
OUTPUT IMPEDANCE	75 OHMS



## ICECRYPT

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