

### Product Features

- Low Noise Figure
- High Reliability
- High Linearity
- Single Supply Voltage
- Small size by using simple matching circuit board
- High Productivity
- Hybrid Amplifiers on Ceramic Board
- Competitive Price

### Application

- Wibro, Wimax Repeater
- Base Station
- RF Sub-Systems



### Description

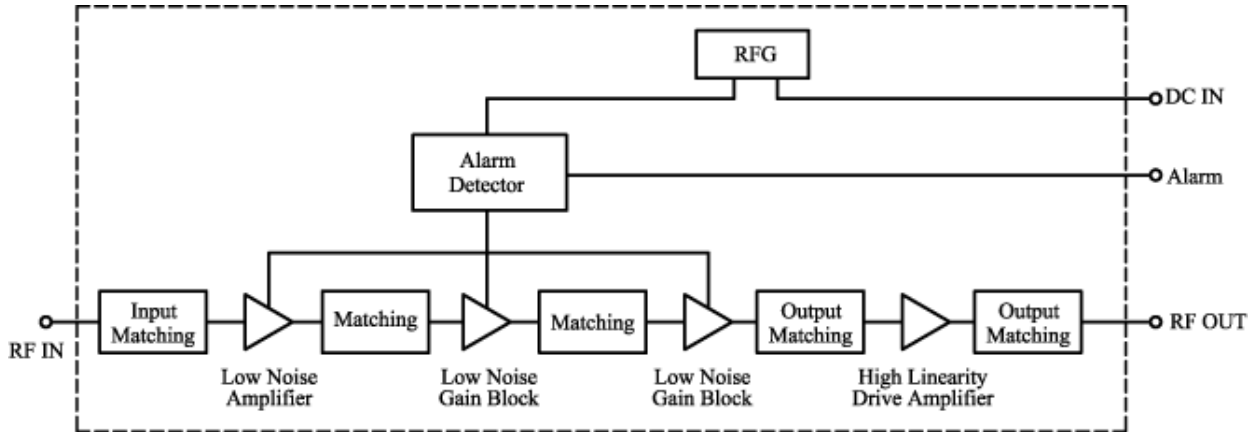
This LNA Module is a high gain, ultra low noise amplifier module. It has superior performance comes with a modest price tag.

### Specifications

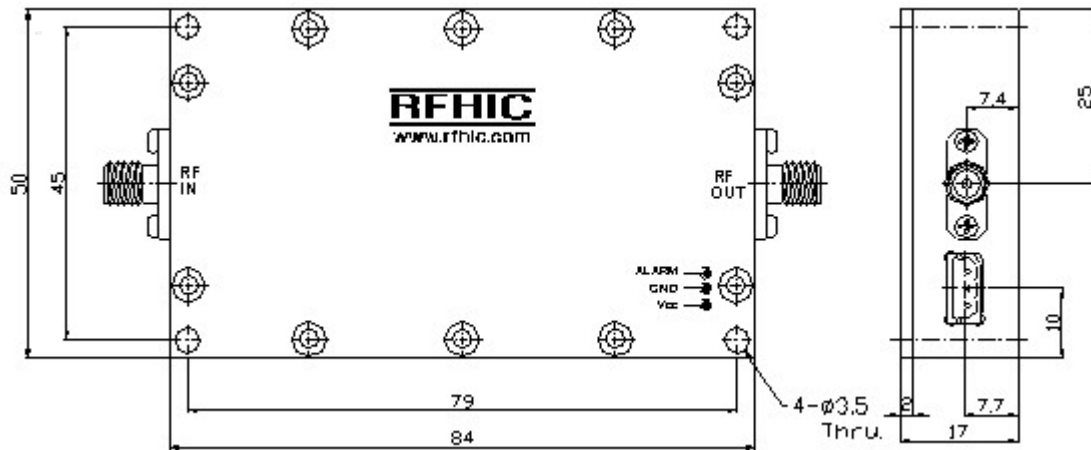
(Operating Temperature: -30°C~+70°C)

PARAMETER	RFL-2340	RFL-2440	RFL-2640	RFL-3535
Frequency Range	2200~2300 MHz	2400~2500 MHz	2500~2700MHz	3400~3600MHz
Bandwidth	20MHz			
Gain	40dB ± 0.5dB		40dB ± 0.5dB	35dB ± 0.5dB
Gain Flatness	± 0.5dB			
VSWR	1.3 : 1			
Noise Figure(max)	1.1dB		1.1dB	1.5dB
OIP3(max)	37dBm		37dBm	35dBm
Current(max)	450mA		450mA	500mA
Supply Voltage	8~12V			
Current Alarm	Normal : TTL High, Abnormal : TTL Low ( TTL type )			
Operating Temperature	-30 °C ~ +70 °C			
Connector Type	SMA – Female			
Case Dimension	84 × 50 × 17 [mm]			

### Functional Diagram



### Dimensions in mm



RFHIC Corporation (RFHIC) reserves the right to make changes to any products herein or to discontinue any product at any time without notice. RFHIC do not assume any liability for the suitability of its products for any particular purpose, and disclaims any and all liability, including without limitation consequential or incidental damages. The product specifications herein expressed have been carefully checked and are assumed to be reliable. However, RFHIC disclaims liability for inaccuracies and strongly recommends buyers to verify that the information they are using is current before placing purchase orders. RFHIC products are not intended for use in life support equipment or application where malfunction of the product can be expected to result in personal injury or death. Buyer uses or sells such products for any such unintended or unauthorized application, buyer shall indemnify, protect and hold RFHIC and its directors, officers, stockholders, employees, representatives and distributors harmless against any and all claims arising out of such use. RFHIC's liability under or arising out of damages, claims of whatsoever kind and nature which RFHIC products could cause shall be limited in amount to the net purchase price of the products sold to buyer by RFHIC.