

# 35 dBi Pre-Amplifier

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## Features

This amplifier is a very powerful signal amplifier used in applications where the donor signal for a proposed wireless repeater system is very weak and needs pre-amplifying. It is designed to be installed between the donor antenna and the repeater (NOT AFTER) and will amplify a weak signal before it goes into the repeater. Attenuation is then used to fine tune the system. Due to the high gain of this pre-amp, it can also be used very specific applications to provide wireless coverage to a very small radius of coverage. (10ft)

The applications for this pre-amp also include cell phone users that are in extremely weak coverage areas or users of Velcro Induction Phone Adapters that do not want to compromise on performance.

## Specifications

Frequency Range		UL:824~849MHz ; DL:869~894MHz
		UL:1850~1910MHz DL:1930~1990MHz
Max.Gain		UL $\geq$ 18dB / DL $\geq$ 20dB
		UL $\geq$ 20dB / DL $\geq$ 25dB
		UL $\geq$ 35dB / DL $\geq$ 40dB
Gain Flatness		CDMA $\leq$ $\pm$ 4dB ; PCS $\leq$ $\pm$ 5dB
Output Power	Typ.	UL $\geq$ 33dBm / DL $\geq$ 0dBm
	Min.	UL $\geq$ 27dBm / DL $\geq$ 0dBm
Intermodulation Products	9KHz~1GHz	$\leq$ -36dBm @ 3KHz
	1GHz~12.75GHz	$\leq$ -30dBm @ 3KHz
Spurious Emission	9KHz~1GHz	$\leq$ -36dBm @ 3KHz
	1GHz~12.75GHz	$\leq$ -30dBm @ 3KHz
Noise Figure		$\leq$ 6dB
Group Delay		$\leq$ 0.5 $\mu$ s
VSWR		$\leq$ 3
Current Draw	Standby	4.5W
	Under Load	14.4W
LED indication	Power LED	DC ON/OFF
Input / Output Ports		SMA Female