SHIREEN
Making Wireless Work

Single Band Repeater Amplifier

Uplink: 824-849MHz | Downlink: 869-894MHz

Gain: 60dB Model: 18-852

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Single Band Repeater/Amplifier

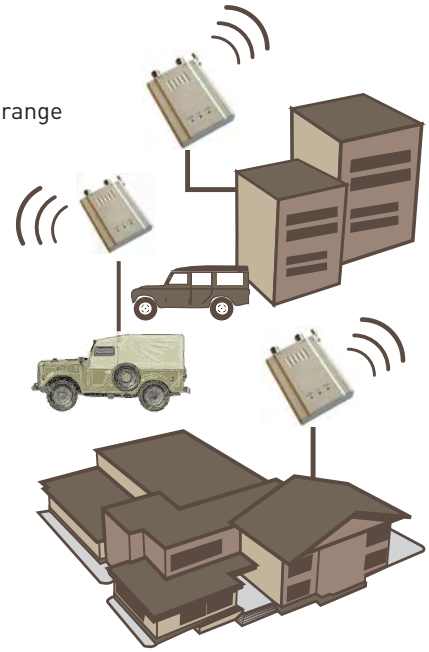
Shireen Inc. develops various products for the Telecom Industry; understanding that there still remain a vast majority of regions, industries and people who do not receive a sufficiently strong cell phone signal. This State of the Art Single band Repeater/Amplifier design increases signal strength and improves cellular communication without a physical connection to the cell phone.

The amplifier has a typical signal gain of 60dB which is automatically controlled using proprietary digital design. It can be employed in large yachts, homes and offices.

The Single band Cellular Repeater/Amplifier works in the following manner: An outside antenna (placed outside the premises) receives the signal from the base station, the Cell Amplifier unit amplifies the signal and repeats it to the cell phones through the inside antenna (placed indoors). You get the freedom to walk around while talking on your phone. This technology allows clean and clear wireless functioning of multiple cell phones operating in the 800MHz band.

ELECTRICAL SPECIFICATIONS

Frequency Range:	Uplink: 824-849 MHz
	Downlink: 869-894 MHz
Technology:	All modulation schemes and technologies in the mentioned freq. range
Forward/Reverse Gain:	60dB (typ); gain stability (+/- 1dB)
Gain Control:	Automatic Digital Control
Group Delay:	< 1usec
Waveform Quality Factor:	> 0.97
Noise Figure:	better than 5dB
Circuit Protection:	Auto shutdown at high power input
Impedance:	50 Ohms
VSWR:	1:1.15 max
Power Requirement:	7.5 VDC @ 1.2A
Certification:	FCC ID: YEF18852-60-800; IC: 8987A-GSM18852



GENERAL SPECIFICATIONS

RF Connectors:	Type-N
LED Indicator:	Green @ Power On (Normal); Red @ Oscillations (Abnormal)
Dimensions:	39.3" x 5.1" x 1.02" in. (100 x 130 x 26mm)
Weight:	2.2lb (1kg)
Operating Temp:	-20 C ~ +70 C

Note: The area covered depends upon the outside signal strength. The Shireen Single band Cellular Repeater/Amplifier is designed considering -75dB as the available signal strength. As outside signal strength decreases, coverage area decreases. For poor outside signal areas or for increased interior coverage, use a directional antenna.