

AMPLITEC L24-GDW

Triple Band Line Amplifier/Phone Booster/Signal Repeaters



L15 Series 15~24 dBm Mini Line/15~24 dBm

1. Product Feature

- 1) 15dBm output, small and elegant appearance.
- 2) Support 3 systems, GSM900+GSM1800+WCDMA.
- 3) Work with indoor repeaters to expand coverage.
- 4) Coverage up to 100 ~ 300 m².
- 5) Reduce cellphone transmit power and radiation, extend cellphone battery life.
- 6) Low UL noise design, improve repeater sensitivity, keep communication quality.

2. Line Amplifier Models

L15-GDW, L20-GDW, L24-GDW

3. Standard package

- 1) AC90-260V, DC12V/10A power supply (EU standard/ US standard/UK standard/ SA standard/China standard, etc) 1PCS
- 2) Installation kit 1PCS
- 3) User manual 1PCS

4. Recommended Accessories

- 1) Service antenna: Omni Ceiling Antenna (2dBi@824-960MHz, 4.7dBi@1710-2500MHz)
- 2) 5D cable with connector(cable length is optional)

diwiton

DIWITON AB

Batterivägen 4, 461 38 Trollhättan
Tel 010-199 81 00, fax 0520-42 66 11
info@diwiton.se, www.diwiton.se
org.nr 556540-0636 Styrelsens säte Trollhättan

Items		Uplink	Downlink
Frequency Range	GSM900+DCS+WCDMA	890 ~ 915MHz	935 ~ 960 MHz
		1710 ~ 1785 MHz	1805 ~ 1880 MHz
		1920 ~ 1980 MHz	2110 ~ 2170 MHz
Max. Gain		≥ 15dB	≥ 20dB
Manual Gain Control		31dB in step of 1dB	
Automatic Gain Control		> 20dB	
Bandwidth		Wide Band	
Ripple in Band		± 3dB	
Max. Input Power Without Damage		0dBm	10dBm
Output Power		≥ 0dBm	≥ 15dBm
Intermodulation Products	9KHz~1GHz	≤ -36dBm	≤ -36dBm
	1GHz~12.75GHz	≤ -30dBm	≤ -30dBm
Spurious Emission	9KHz~1GHz	≤ -36dBm	≤ -36dBm
	1GHz~12.75GHz	≤ -30dBm	≤ -30dBm
Spurious Emission Mask(WCDMA)		Complies with 3GPP TS 25.106	
Modulation Accuracy(WCDMA)		Complies with 3GPP TS 25.106	
Peak Code Domain Error(WCDMA)		Complies with 3GPP TS 25.106	
ACRR(WCDMA)		≥ 30dB @± 5MHz& ± 10MHz	
Noise Figure @ max. gain		≤ 8dB(Typical)	
Return loss		≤ -8dB	
Time Delay		≤ 0.5μ s	
MTBF		> 50000hours	
Power Supply		AC: 90~265V, 50/ 60Hz; DC: 9V5A	
Power Consumption		< 35W	
Impedance		50 ohm	
Input Signal Levels		-60dBm or more	-15dBm to -5dBm
Input Signal Level	Normal	At the edge of green and orange(-50dBm or more)	
	Low	Green	
	High	> 1-5dB range: Orange; > 20dB: Red	

RF Connector	N-Female
Switch	Power Switch
Cooling	Heatsink Convection cooling
Dimensions (D x W xH)	330*268*58 (mm)
Weight	< 5 Kg
Installation Type	Wall Installation
Environment Conditions	IP40
Humidity	< 90%
Operating Temperature	-10º C~55º C