

AMPLITEC C23S MOBILE SIGNAL BOOSTER

GSM or DSC or WCDMA (ALSO DUAL BAND)



FEATURES

- ASO Automatic shut-off on the Uplink. The uplink is in sleep mode until making a call which ensures less noise on the network. ASO will auto shut-off if oscillation starts.
 - AGC Automatic gain adjusting of 20dB gain to ensure that unstable signal does not hamper calls.
 - The C23S has an LCD display where all readings are easily accessed.
 - Causes no interference to the BTS.
 - Expected coverage under ideal conditions 2500~6000m².
 - Comes in single and dual band models.
 - Supplied standard with a voltage-triprotector protection against electrical surges and unstable power sources.
 - Added is a surge/lightning warranty.
 - 18 ~ 25km from BTS – no problem,
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- Provides an excellent coverage solution for GSM or WCDMA or a combination with dual band repeater, indoor eliminating weak and dead zones.
 - Drastically reduces dropped calls.
 - Quotation on solar power on 12 Vdc available on request.

Standard Package

- 220V/AC to 12Vdc 5A power supply.
- Voltage-triprotector.
- User manual.
- Information on electricity in South Africa.
- Warranty form.

Remember to use the repeater serial number as reference.



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SPECIFICATIONS

Items		Uplink	Downlink
Frequency Range	GSM	890 ~ 915 MHz	935 ~ 960 MHz
	WCDMA	1920 ~ 1980	2110 ~ 2170
Output Power	GSM	23±2 dBm	23±2 dBm
	WCDMA	23±2 dBm	23±2 dBm
Gain	GSM	73±2 dB	73±2 dB
	WCDMA	73±2 dB	73±2 dB
Ripple	GSM	≤8 dB	≤8 dB
	WCDMA	≤6 dB	≤6 dB
Noise Figure @ max. gain	GSM	≤8 dB	≤8 dB
	WCDMA	≤8 dB	≤8 dB
ATT(GSM) step of 1 dB	1~10 dB	Δ ≤1dB	Δ ≤1dB
	10~20 dB	Δ ≤1dB	Δ ≤1dB
	20~25 dB	Δ ≤1.5dB	Δ ≤1.5dB
ATT(WCDMA) step of 1 dB	1~10 dB	Δ ≤1dB	Δ ≤1dB
	10~20 dB	Δ ≤1dB	Δ ≤1dB
	20~25 dB	Δ ≤1.5dB	Δ ≤1.5dB
ALC Active 10dB	GSM	Δ ≤2dB	Δ ≤2dB
	WCDMA	Δ ≤2dB	Δ ≤2dB
VSWR	GSM	≤2	≤2
	WCDMA	≤2	≤2
Intermodulation Products	GSM(CW)	≤-40 dBc	≤-40 dBc
	WCDMA(CW)	≤-40 dBc	≤-40 dBc
ACRRWCDMA	5MHz	≤-40 dB	≤-40 dB
	10MHz	≤-45 dB	≤-45 dB
Time Delay		≤0.5 μs	≤0.5 μs
Power Supply DC	Input: 220V/AC	Output: 12V/2A	
Power Consumption	< 18W @ 12VDC		
Termination	N-Female		
Environment Conditions	IP40		
Humidity	< 90%		
Operating Temperature	-10°C ~ +55°C		

