



MSB27-GD75

GSM+DCS Dual Band Mobile Repeater/900&1800MHz Cellphone Signal Booster/Signal Amplifiers/27dBm/75dB Gain/1000-5000m2 Coverage

Features:

- High system gain.
- Linear power amplification to effectively suppress inter-modulation and spurious emission.
- Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously.
- Unique color LEDs to indicate power supply and state and alarm.
- Simple installation with external AC/DC adapter.
- Provide quick coverage solution for small signal weak & block zones. Reduce drop/off calls.
- Compact size, low consumption, easy installation, great cover.
- Cover about 1000~5000sqm without block or obstruct.

Applications:

To expand signal coverage or fill signal blind area where signal is weak or unavailable.
 exhibition centers, basements, shopping malls, offices, parking lots.

Indoor: Hotels,

Electrical Specification:

Items		Uplink	Downlink
Frequency Range	GSM900+DCS	890 ~ 915 MHz/1710 ~ 1785 MHz	935 ~ 960 MHz/1805 ~ 1880 MHz
	CDMA+PCS	824 ~ 849 MHz/1850 ~ 1910 MHz	869 ~ 894 MHz/1930 ~ 1990 MHz
	GSM900+WCDMA	890 ~ 915 MHz/1920 ~ 1980 MHz	935 ~ 960 MHz/2110 ~ 2170 MHz
	CDMA+WCDMA	824 ~ 849 MHz/1920 ~ 1980 MHz	869 ~ 894 MHz/2110 ~ 2170 MHz
Max.Gain		more or equal to 70dB	more or equal to 75 dB
Manual Gain Control		31dB in step of 1dB	
Automatic Gain Control		more than 20dB	
Bandwidth		Wide Band	
Ripple in Band		CDMA,GSM less or equal to 8dB ; DCS,PCS less or equal to 10dB;WCDMA ale less or equal to 6dB	
Max. Input Power Without Damage		0 dBm	
Output Power		more or equal to 20 dBm	more or equal to 24 dBm
Intermodulation Products	9KHz~1GHz	less or equal to -36 dBm	less or equal to -36 dBm
	1GHz~12.75GHz	less or equal to -30 dBm	less or equal to -30 dBm
Spurious Emission	9KHz~1GHz	less or equal to -36 dBm	less or equal to -36 dBm
	1GHz~12.75GHz	less or equal to -30 dBm	less or equal to -30 dBm

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)	more than 30dB @±5MHz&±10MHz	
Noise Figure @ max. gain	less or equal to 8 dB(Typical)	
Return loss	less or equal to -10 dB	
Time Delay	less or equal to 0.5 μs	
MTBF	more than 50000 hours	
Power Supply	AC:90~265V,50/ 60Hz;DC:12V 10A	
Power Consumption	less than 60W	
Impedance	50 ohm	
Input Signal Level	Normal	At the edge of green and orange(-50dBm or more)
	Low	Green
	High	1-5dB range:Orange;more than 20dB:Red

Mechanical Specification

RF Connector	N-Female
Switch	Power Switch,Manual Gain Control Switch
Cooling	Heatsink Convection cooling
Dimensions (D x W xH)	300*268*58(mm)
Weight	7Kg
Installation Type	Wall Installation
Environment Conditions	IP40
Humidity	less than 90%
Operating Temperature	-10C Celcius ~ 55 C Celcius



MSB30-GD80,

GSM+DCS Dual Band Mobile Repeater/900&1800MHz Cellphone Signal Booster/Signal Amplifiers/30dBm/80dBGain/5000-10000m2 Coverage

Features:

- High system gain.
- Linear power amplification to effectively suppress inter-modulation and spurious emission.
- Smart Automatic Level Control (ALC) ensures output level stable and adjustable continuously.
- Unique color LEDs to indicate power supply and state and alarm.
- Simple installation with external AC/DC adapter.
- Provide quick coverage solution for small signal weak & block zones. Reduce drop/off calls.
- Compact size, low consumption, easy installation, great cover.
- Cover about 5000~10000sqm without block or obstruct.

Applications:

To expand signal coverage or fill signal blind area where signal is weak or unavailable.

Indoor: Hotels, exhibition centers, basements, shopping malls, offices, parking lots,

Electrical Specification:

Items		Uplink	Downlink
Frequency Range	GSM900+DCS	890 ~ 915 MHz/1710 ~ 1785 MHz	935 ~ 960 MHz/1805 ~ 1880 MHz
	CDMA+PCS	824 ~ 849 MHz/1850 ~ 1910 MHz	869 ~ 894 MHz/1930 ~ 1990 MHz
	GSM900+WCDMA	890 ~ 915 MHz/1920 ~ 1980 MHz	935 ~ 960 MHz/2110 ~ 2170 MHz
	CDMA+WCDMA	824 ~ 849 MHz/1920 ~ 1980 MHz	869 ~ 894 MHz/2110 ~ 2170 MHz
Max.Gain		more or equal to 75dB	more or equal to 80 dB
Manual Gain Control		31dB in step of 1dB	
Automatic Gain Control		more than 20dB	
Bandwidth		Wide Band	
Ripple in Band		CDMA,GSM less or equal to 8dB ; DCS,PCS less or equal to 10dB;WCDMA ale less or equal to 6dB	
Max. Input Power Without Damage		0 dBm	
Output Power		more or equal to 20 dBm	more or equal to 30 dBm
Intermodulation Products	9KHz~1GHz	less or equal to -36 dBm	less or equal to -36 dBm
	1GHz~12.75GHz	less or equal to -30 dBm	less or equal to -30 dBm
Spurious Emission	9KHz~1GHz	less or equal to -36 dBm	less or equal to -36 dBm
	1GHz~12.75GHz	less or equal to -30 dBm	less or equal to -30 dBm
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)		more than 30dB @±5MHz&±10MHz	
Noise Figure @ max. gain		less or equal to 8 dB(Typical)	
Return loss		less or equal to -10 dB	
Time Delay		less or equal to 0.5 μs	
MTBF		more than 50000 hours	
Power Supply		AC:90~265V,50/ 60Hz;DC:12V 10A	
Power Consumption		less than 60W	
Impedance		50 ohm	
Input Signal Level	Normal	At the edge of green and orange(-50dBm or more)	
	Low	Green	
	High	1-5dB range:Orange;more than 20dB:Red	

Mechanical Specification

RF Connector	N-Female
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