



# HIGH POWER REPEATERS

## APPLICATION

- High power repeater will give coverage in all bands indicated.
- These are the GSM900, DSC1800 and WCD- MA2100 bands on which 2G, 3G and 4G are provided. B8,B3 & B1

## FEATURES

- The C37C-C43C boosters have 37-40dBm output power with 95dB gain that will give coverage to open cast mines, tunnels, DAS in office blocks and mauls.
- They have super features like ASO Automatic shut-off if any oscillation starts.
- Sleep mode power saving options.
- Dormant Uplink - the unit "sleeps" until making a call which puts less noise on the network.
- AGC the automatic adjustment of 40dB gain ensures no drop calls.
- MGA Manual gain attenuation function stabilizes when base stations are upgraded.
- A LCD display where all adjustments and readings are easily accessed.
- Causes no interference to the BTS base station.
- OMT on-board monitoring terminal optional.

## STANDARD PACKAGE

- High power booster, plus power adapter and installation fittings.
- Supplied - standard with voltage-surge protection against electrical surges and unstable power source and includes a repair warranty and user manual.

## CONTACT



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[www.linkworld.co.za](http://www.linkworld.co.za)



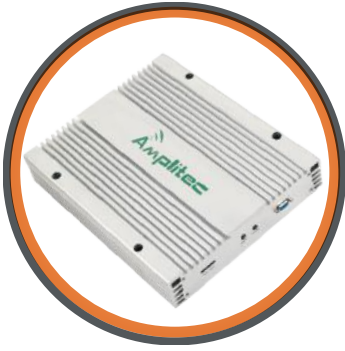
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# S D E

# C30C-GSM+SURGE



Electrical Specification			
Items		Uplink	Downlink
frequency	GSM900	890 ~ 915 MHz	935 ~ 960 MHz
Max.Gain		75dB	80 dB
Manual Gain Control		31dB in step of 1dB	
Automatic Gain Control		> 20dB	
Bandwidth		Wide Band	
Ripple in Band		8dB	
Max. Input Power Without Damage		0 dBm	
Output Power		20 dBm	30 dBm
Intermodulation	9KHz~1GHz	-36 dBm	-45 dBc
Products	1GHz~12.75GHz	-30 dBm	-45 dBc
Spurious Emission	9KHz~1GHz	-36 dBm	-36 dBm
	1GHz~12.75GHz	-30 dBm	-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 )		≥ 30dB @ ±5MHz & ±10MHz	
Noise Figure @ max. gain		6 dB(Typical)	
Return loss		-10 dB	
Time Delay		0.5 μs	
MTBF		> 50000 hours	
Power Supply		AC : 90~265V, 50/ 60Hz ; DC : 12V 5A	
Power Consumption		< 35W	
Impedance		50 ohm	
Mechanical Specification			
RF Connector		N-Female	
Switch		Power Switch, Manual Gain Control Switch	
Cooling		Heatsink Convection cooling	
Dimensions (D x W xH )		305*268*58 (mm)	
Weight		< 4.5 Kg	
Installation Type		Wall Installation	
Environment Conditions		IP40	
Humidity		< 90%	
Operating Temperature		-10 ~55	
Input Singnal Level	Normal	At the edge of green and orange ( -50dBm or more)	
	Low	Green	
	High	1-5dB range : Orange ; >20dB : Red	

# S D E

# C37C-GSM



## Technical Specifications

Items		Uplink	Downlink
Frequency Range		880 ~ 915MHz	925 ~ 960 MHz
Bandwidth		35MHz	35MHz
Output Power		27±2dBm	37±2dBm
Gain		85±2dB	90±2dB
Ripple		≤15dB	≤15dB
Max. Input Power Without Damage		-10dBm	-10dBm
ATT step of 1dB	1 ~ 10dB	Δ ≤1dB	Δ ≤1dB
	10 ~ 20dB	Δ ≤1dB	Δ ≤1dB
	20 ~ 30dB	Δ ≤1.5dB	Δ ≤1.5dB
ALC Active 10dB		Δ ≤2dB	Δ ≤2dB
Intermodulation Products		≤ -45dBc	≤ -45dBc
Spurious Emission	9KHz~1GHz	≤ -36dBm	≤ -36dBm
	1GHz~12.75GHz	≤ -30dBm	≤ -30dBm
Power LED	Power ON	Green	
	Power OFF	No Light	
ALC Alarm	Not Active	--	Green
	Active 5~10dB	--	Orange
	Active 15~20dB	--	Red
Noise Figure @ max. gain		≤6dB	≤6dB
VSWR		≤2	≤2
Time Delay		≤0.5μs	≤0.5μs
Power Supply		AC: 90~265V	
Power Consumption		<90W	
Environment Conditions		IP65	
RF Connector		N-Female	
Humidity		< 90%	
Dimension		420 x 340 x 270 mm	
Weight		25kgs	
Operating Temperature		-40°C~+55°C	

# S D E

# C40C-GSM



Technical Specifications			
Items	Uplink	Downlink	
Frequency Range	890 ~ 915 MHz	935 ~ 960MHz	
Bandwidth	25 MHz	25 MHz	
Output Power	27±2 dBm	40±2 dBm	
Gain	85±2 dB	90±2 dB	
Ripple	≤8 dB	≤8 dB	
VSWR	≤1.5	≤1.5	
Max. Input Power Without Damage	-10 dBm	-10 dBm	
Intermodulation Products (CW)	≤-45 dBc	≤-40 dBc	
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
ATT step of 1 dB	1~10 dB	Δ ≤1 dB	Δ ≤1 dB
	10~20 dB	Δ ≤1 dB	Δ ≤1 dB
	20~30 dB	Δ ≤1.5 dB	Δ ≤1.5 dB
ALC Active 10dB	Δ ≤2 dB	Δ ≤2 dB	
LED Indication	Power ON	Green	
	Power OFF	No Light	
Alarm	ALC not Active	—	Green
	ALC Active 5~10dB	—	Orange
	ALC Active 15~20dB	—	Red
Noise Figure @ max. gain	≤6 dB	≤6 dB	
Time Delay	≤1.5 μs	≤1.5 μs	
Power Supply	AC220V 50HZ		
Power consumption	< 90W		
RF Connector	N-Female		
Environment Conditions	IP65		
Humidity	< 90%		
Operating Temperature	-10°C ~ +55°C		

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