



Foshan Amplitec Tech Development Co., Ltd
 Second Floor, No.40, First East TongHua Rd,
 ChanCheng Dist., FoShan528000, Guangdong, China
 Tel: (86)757-83308238 ext 832 Fax: (86)757-83123923

Feature:

- * Compact size, low consumption, easy installation, great cover.
- * Cover about 100~500 m² without block or obstruct
- * Reduce cellphone transmit power and radiation,
Extend cellphone battery life.
- * Low gain low noise figure, High linear design, low interference to BTS



Modules Selection

C10H-GSM, C10H-CDMA, C10H-WCDMA etc.

Electrical Specifications

(1 of 2)

Items		Uplink	Downlink
Frequency Range	CDMA800 /GSM850	824 ~ 849 MHz	869 ~ 894 MHz
	GSM900	890 ~ 915 MHz	935 ~ 960 MHz
	DCS	1710 ~ 1785 MHz	1805 ~ 1880 MHz
	PCS	1850 ~ 1910 MHz	1930 ~ 1990 MHz
	WCDMA	1920 ~ 1980 MHz	2110 ~ 2170 MHz
Max.Gain		≥ 60 dB	≥ 60 dB
Manual Gain Control		15dB in step of 5dB	
Bandwidth		Wide Band	
Ripple in Band		CDMA、GSM ≤ 8dB ; DCS、PCS ≤ 10dB; WCDMA ≤ 6dB	
Max. Input Power Without Damage		0 dBm	
Output Power		≥ 10 dBm	≥ 10 dBm
Intermodulation Products	9KHz~1GHz	≤ -36 dBm	≤ -36 dBm
	1GHz~12.75GHz	≤ -30 dBm	≤ -30 dBm
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	



Foshan Amplitec Tech Development Co., Ltd
 Second Floor, No.40, First East TongHua Rd,
 ChanCheng Dist., FoShan528000, GuangDong, China
 Tel: (86)757-83308238 ext 832 Fax: (86)757-83123923

(2 of 2)

Noise Figure @ max. gain	≤ 6 dB(Typical)	
Return loss	$\cong -8$ dB	
Time Delay	≤ 1.5 μ s	
MTBF	>50000 hours	
Power Supply	AC: 90~265V, 50/ 60Hz; DC: 9V 2A	
Power Consumption	< 10 W	
Impedance	50 ohm	
Mechanical Specifications		
RF Connector	SMA-Female	
Switch	Manual Gain Control Switch	
Cooling	Heatsink Convection cooling	
Dimensions (D x W xH)	183*127*50 (mm)	
Weight	< 1 Kg	
Installation Type	Wall Installation	
Environment Conditions	IP40	
Humidity	$< 90\%$	
Operating Temperature	$-10^{\circ}\text{C} \sim 55^{\circ}\text{C}$	
Input Singnal Level	Normal	At the edge of green and orange (-50dBm or more)
	Low	Green
	High	1-5dB range: Orange; $>10\text{dB}$: Red

Standard Package

- 1) AC90-264V,DC9V/2A power supply adapter 1PCS
- 2) AC power cord (EU standard/ US standard/UK standard/ SA standard/China standard etc.) 1PCS
- 3) Installation kit 1PCS
- 4) User manual 1PCS