

# C37C-GW

Items		Uplink	Downlink
Frequency Range	GSM	890 ~ 915 MHz	935 ~ 960 MHz
	WCDMA	1920 ~ 1980 MHz	2110 ~ 2170 MHz
Bandwidth	GSM	25 MHz	25 MHz
	WCDMA	60 MHz	60 MHz
Gain	GSM	80±2 dB	85±2 dB
	WCDMA	80±2 dB	85±2 dB
Ripple in Band	GSM	≤8 dB	≤8 dB
	WCDMA	≤6 dB	≤6 dB
VSWR	GSM	≤2	≤2
	WCDMA	≤2	≤2
Output Power	GSM	27±2 dBm	37±2 dBm
	WCDMA	27±2 dBm	37±2 dBm
ALC Active 10 dB	GSM	Δ   ≤2 dB	Δ   ≤2 dB
	WCDMA	Δ   ≤2 dB	Δ   ≤2 dB
Intermodulation Products	GSM	≤-45 dBc	≤-45 dBc
	WCDMA	≤-45 dBc	≤-40 dBc
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
ATT(GSM) 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
ATT(WCDMA) 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
Noise Figure @ max. gain	GSM	≤6 dB	≤6 dB
	WCDMA	≤6 dB	≤6 dB
Time delay	GSM	≤1.5 μs	≤1.5 μs
	WCDMA	≤1.5 μs	≤1.5 μs
LED Indication	Power ON	Green	
	Power OFF	No Light	
Alarm (GSM)	ALC not Active	—	Green
	ALC Active 5-10dB	—	Orange
	ALC Active 15-20dB	—	Red
Alarm (WCDMA)	ALC not Active	—	Green
	ALC Active 5-10dB	—	Orange
	ALC Active 15-20dB	—	Red
Power Supply		AC: 220V/50Hz	
Power Consumption		<160W	

## C37C-GW

Items	Uplink	Downlink
Impedance	50 $\Omega$	
RF Connector	N-Female	
Environment Conditions	IP65	
Humidity	< 90%	
Operating Temperature	-10°C ~ +55°C	