

L33-GW

Items		Uplink	Downlink
Frequency Range	GSM	890 ~ 915 MHz	935 ~ 960 MHz
	WCDMA	1920 ~ 1980 MHz	2110 ~ 2170 MHz
Output Power	GSM	0±2 dBm	33±2 dBm
	WCDMA	0±2 dBm	33±2 dBm
Gain	GSM	40±2 dB	45±2 dB
	WCDMA	40±2 dB	45±2 dB
ATT(GSM) step of 1 dB	1~10 dB	Δ ≤1 dB	Δ ≤1 dB
	10~20 dB	Δ ≤1 dB	Δ ≤1 dB
	20~25 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
	20~25 dB	Δ ≤1.5 dB	Δ ≤1.5 dB
ALC Active 10 dB	GSM	Δ ≤2 dB	Δ ≤2 dB
	WCDMA	Δ ≤2 dB	Δ ≤2 dB
Ripple in Band	GSM	≤6 dB	≤6 dB
	WCDMA	≤5 dB	≤5 dB
Intermodulation Products	GSM(CW)	≤-36dBm	≤-45 dBc
	WCDMA(CW)	≤-30 dBm	≤-45 dBc
Spurious Emission	9KHz~1GHz	≤-36 dBm	≤-36 dBm
	1GHz~12.75GHz	≤-30 dBm	≤-30 dBm
Noise Figure @ max. gain	GSM	≤6 dB	—
	WCDMA	≤6 dB	—
VSWR	GSM	≤2	≤2
	WCDMA	≤2	≤2
Time delay	GSM	≤0.5 μs	≤0.5 μs
	WCDMA	≤0.5 μs	≤0.5 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		DC:27 V	
Power Consumption		< 70W	
RF Connector		N-Female	
Environment Conditions		IP40	
Humidity		< 90%	



L33-GW

Items	Uplink	Downlink
Operating Temperature	-10°C ~ +55°C	