

L700-45M+G900-30M+G1800-65M+U2100-60M-37dBm Four Band Digital

Repeater Model: TS-DRP-LGDW-90-37N

Item		Specification	
		Uplink	Downlink
Frequency Range (MHz)	LTE 700 Band	703 ~ 748	758 ~ 803
	LTE 900 Band	885 ~ 915	930 ~ 960
	LTE 1800 Band	1710 ~ 1775	1805 ~ 1870
	UMTS/LTE 2100 Band	1920 ~ 1980	2110 ~ 2170
Bandwidth(MHz)	LTE 700 Band	0.2-20	
	LTE 900 Band	0.2-20	
	LTE 1800 Band	0.2-20	
	UMTS/ LTE 2100 Band	0.2-20	
Sub band number	LTE 700 Band	3	
	LTE 900 Band	3	
	LTE 1800 Band	3	
	UMTS/ LTE 2100 Band	3	
Max. Total Output Power(dBm)Center Frequency		23±2	37±2
Max.Gain (dB) Center Frequency at 25°C		85±3	90±3
ATT Adjustable Range (dB)/(Step) 1dB		0~30 @ 1 dB step	
ATT Adjustable Error (dB)		≤ ±1.5	≤ ±1.5
ALC (dB)		0~25	
Noise Figure (dB) (Max. Gain)		≤ 8.0	
Input VSWR(Power up, Min Gain, Pin=-30dBm)		≤ 1.8	
Ripple In Band (P-P) (dB)At +25°C	LTE FDD700 Band	≤±4.0@EBW	
	GSM900 Band	≤±3.0@EBW	
	GSM1800 Band	≤±4.0@EBW	
	UMTS2100 Band	≤±4.0@EBW	
Out of Band Rejection (dBc)At +25°C	±1MHz offset	≤-15	
	±2MHz offset	≤-30	
	±5MHz offset	≤-45	



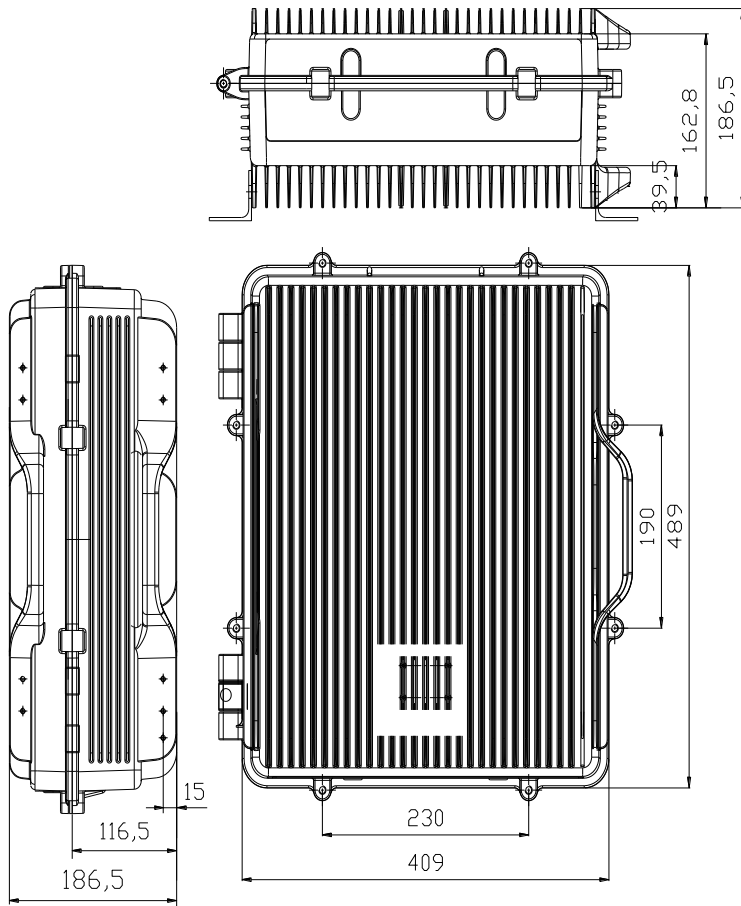
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Spurious Emission (dBm) @ Out Of Band 2.5MHz Offset	9kHz~150kHz	$\leq -36\text{dBm}/1\text{KHz}$
	150kHz~30MHz	$\leq -36\text{dBm}/10\text{KHz}$
	30MHz~1GHz	$\leq -15\text{dBm}/100\text{KHz}$
	1GHz~12.75GHz	$\leq -10\text{dBm}/1\text{MHz}$
3rd Inter-modulation (dBc)(Max Gain)		≤ -36 (dual-tone interval 600kHz)
Time Delay (us)		≤ 5.0
RF Connector		N(f)
Input / output Impedance (Ω)		50
Power Supply		AC110-220V/60Hz
Temperature Range ($^{\circ}\text{C}$)		-25 ~ +55
Humidity Range (%)		5~95
Weight (Kg)		≤ 40
Dimension (mm)		489*409*186.5
Device cooling ways		Cooling with fan
Monitor & Alarm	Local Monitor	MINI-USB
	Remote Monitor	SMS(GSM Modem) Optional



Tone Spread
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Outline Dimension:



Picture:

