

Dual Band Line Amplifier 20W

Model: SZALO-1800-75M+UL2100-60M-43dBm

Main Features

Full Duplex mode, DCS and WCDMA network

Automatic alarm and remote control

Easy installation



Electrical Specifications

Parameters		Specification	
		Uplink	Downlink
Frequency Range (MHz)	GSM/LTE FDD1800 Band	1710 ~ 1785	1805 ~ 1880
	UMTS/LTE FDD2100 Band	1920 ~ 1980	2110 ~ 2170
Bandwidth(MHz)	GSM/LTE FDD1800 Band	75	75
	UMTS/LTE FDD2100 Band	60	60
Max. Total Output Power(dBm)Center Frequency		-10±2	43±2
Max.Gain (dB) Center Frequency at 25°C		50±3	50±3
ATT Adjustable Range (dB)/(Step) 1dB		0~20 @ 1 dB step	
ATT Adjustable Error (dB)		≤ ±1.5	≤ ±1.5
ALC (dB)		0~20	
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	GSM/LTE FDD1800 Band	≤7.0	75
	UMTS/LTE FDD2100 Band	≤7.0	60
Spurious Emission (dBm) @ Out Of Band 10MHz Offset	9kHz~150kHz	≤ -36dBm/1KHz	
	150kHz~30MHz	≤ -36dBm/10KHz	
	30MHz~1GHz	≤ -36dBm/100KHz	
	1GHz~12.75GHz	≤ -30dBm/1MHz	
IMD3 (dBc) (Max Gain)		≤-36(CH1/CH2:600KHz)	
Time Delay (us)		≤ 5.0	
Input / output Impedance (Ω)		50	

Mechanical Specifications

Power Supply	AC176-264V/50Hz;	
Temperature Range (°C)	-5 ~ +60	
Humidity Range (%)	5~80	
Weight (Kg)	≤30	
RF Connector	N-Female	
Dimension (mm)	489*409*186.5	
Power Supply	AC176-264V/50Hz;	
Monitor & Alarm	Local Monitor	RS232