

GSM 900MHz TM-AR-900T Series Trunk Amplifier

Features

- Applicable to amplify and extend signals of GSM and E-GSM indoor coverage system
- Improved system noise figure and sensitivity, no interference to base station
- High out band rejection, excellent intermodulation and spurious emissions
- Compact design, water-resistant, weather-proof and antisepticise
- Applicable to the indoor coverage system in huge, medium building



It is used in GSM indoor coverage which is repeating and amplifying Multi-channel signals from the small base station of cellular system. Greatly improves cell phone performance while in building, eliminating problems such as unstable reception, unclear vocal quality, difficulty accessing calls and even calls being disconnected.

Specification and Technical Information

Item Number		TM-AR-900T-02	TM-AR-900T-05	TM-AR-900T-10
Freq Range	Uplink	890-915MHz		
	Downlink	935-960MHz		
3dB Band Width		Min 25MHz		
Gain		45-48dB		
Ripple in band		Max +/- 1.5dB		
AGC ctrl range		31dB (1db Step)		
Gain ctrl range		Min 20dB		
Output Power	Uplink	0 - +17dBm		
	Downlink	33dBm	Min 37dBm	Min 40dBm
Max Input Power	Uplink	Min 0dB		
	Downlink	Min 0dB		
Intermodulation and Spurious Emissions		Max -36dBm/9kHz-1GHz		
		Max -30dBm/1-12.75GHz		
IMD3	Uplink	Max -45dBc@10dBm		
	Downlink	Max -45dBc@33dBm	Max -45dBc@37dBm	Max -45dBc@40dBm
Out of band Gain	Fc-400kHz	Max 50dB		
	Fc-600kHz	Max 40dB		
	Fc-1MHz	Max 35dB		
	Fc-5MHz	Max 25dB		
VSWR		Max 1.4		
Group time delay		Max 1.5us		
Input/Output Impedance		50 ohm		
Noise Figure		Max 6dB		
Environmental Temperature		-30 - 55 degree C		
Relative Humidity		Max 95%		
Power Type		AC220V / 45-55Hz		
Power Consumption		Max 80w		
RF Connector		N-F		
Dimension		520x350x180		