

## CDMA 800MHz TM-AR-800T Series Trunk Amplifier

### Features

- Applicable to amplify and extend signals of CDMA indoor coverage system
- Improved system noise figure and sensitivity, no interference to base station
- High gain linear power amplifier technique, excellent intermodulation and spurious emissions
- High out band rejection, with reliable performance
- Easy to expand and maintain
- Compact design, water-resistant, weather-proof and antisepticise
- Applicable to the indoor coverage system in huge, medium building



It is used in CDMA 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-800C-T10	TM-AR-800C-T05	TM-AR-800C-T02	TM-AR-800C-T01
Freq Range	Uplink	825-835MHz			
	Downlink	870-880MHz			
Band Width(3dB)		Min 10MHz			
Gain		45-48dB			
Ripple in band		Max +/- 1.5dB			
Gain control range		31dB(1dB )			
AGC control range		Min 20dB (+/- 2dB)			
Output Power range	Uplink	10dBm			
	Downlink	40dBm	37dBm	33dBm	30dBm
Input Power range	Uplink	Min 0dBm			
	Downlink	Min 0dBm			
Emission and Intermodulation		Max -36dBm/9kHz-1GHz			
		Max -30dBm/1-12.75kHz			
IMD3		Max -15dBm/30kHz			
Out of band Rejection	Uplink	Frequency Offset Min 1.98MHz: Max -54dBc/30kHz			
	Downlink	Frequency Offset Min 1.98MHz: Max -60dBc/30kHz			
VSWR		Max 1.5			
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 100w			
RF Connector		N-F			
Dimension		520x350x180			