

DCS 1800MHz TM-AR-1800T Series Trunk Amplifier

Features

- Applicable to amplify and extend signals of DCS 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
- Easy to expand and maintain
- Compact design, water-resistant, weather-proof and antisepticise
- Applicable to large coverage area such as highway, town and tunnel etc



It is used in DCS 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		AM-AR-1800T-02	AM-AR-1800T-05	AM-AR-1800T-10
Freq Range	Uplink	1710-1785MHz		
	Downlink	1805-1880MHz		
Gain		45-48dB		
Ripple in band		Max +/- 1.5dB		
Gain control range		31dB (1dB Step)		
AGC control range		Min 20dB (+/- 2dB)		
Output Power range	Uplink	0 - +10dBm		
	Downlink	33dBm	37dBm	40dBm
Max Input Power	Uplink	Min 0dBm		
	Downlink	Min 0dBm		
Spurious Emission		Max -36dBm/9kHz-1GHz		
		Max -30dBm/1-12.75kHz		
IMD3	Uplink	Max -45dBc@17dBm		
	Downlink	Max -45dBm/33dBm	Max -45dBc@37dBm	Max -45dBc@40dBm
Out of band Rejection	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 (except for downlink)		
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		