

# Product Specifications

## BAC08200FDA

### Base Station Amplifier

## Main Features

- A good performance with good technical parameters
- Suitable for large-scale indoor/outdoor installation
- Super high linearity
- High PAE (power added efficiency)
- Low noise and high reliability
- Broader frequency range

## Electrical Specifications

Items	Reverse	Forward
Frequency	825-835MHz	870-880MHz
No of carrier	6	6
Gain	15±2dB	15±2dB
Gain ripple	≤±1dB	≤±1dB
Gain Adjustment Range	0-30dB (1dB step)	0-30dB (1dB step)
Output Power	3dBm±1dBm	53±1dBm
ALC control	if increased 20dB input Level, the variation of the output power can be controlled within 2dB	if increased 20dB input Level, the variation of the output power can be controlled within 2dB
Noise figure	≤ 2.0dB	
VSWR	≤ 1.5:1	≤ 1.5:1
ACLR	PASS 3GPP2 spectrum emission mask	PASS 3GPP2 spectrum emission mask
Spuripus Emission	≤-36dBm/9KHz-1GHz	≤-36dBm/9KHz-1GHz
	≤ -30dBm/1GHz-12.75GHz	≤ -30dBm/1GHz-12.75GHz
By Pass Loss	≤1dB	≤1dB

## Environmental Specifications

Operating temperature range	-25 °C to +55 °C
Relative humidity	5% - 95%
Applications	IP54
Monitoring and control	RS485 (local)

## Mechanical Specifications

Dimensions	730×570×290mm <sup>3</sup>
Weight	≤ 60kg
Power supply	AC220V ±20%, 50Hz ±10%
Power consumption	≤1000W
RF Connectors	DIN Female

## Outline Drawing

