

800M CDMA2000 30W MCPA Specification (PA0880C5045ADA)

一. RF specification

| Item | | Specification | Unit | Remark |
|------------------------|-----------------------|---------------------------|------|-----------------------|
| Frequency | | 870~890 | MHz | |
| Output Power | | 44.5±0.5 | dBm | |
| Gain | | 50±1.0 | dB | |
| Gain Adjustment step | | 1.0 | dB | |
| ATT Error | 1~20dB | ≤1.0 | dB | |
| | 20~30dB | ≤1.5 | dB | |
| Gain flatness | | ≤1 | dB | |
| ACLR | | ≤-55 @750K ≤-61 @1.98M | dBc | Continuous 6 carriers |
| MAX Input Power | | ≥+10dBm | dBm | |
| VSWR(Input port) | | ≤1.30 | | |
| Temperature Test | Operation Temperature | -40~+55 | ℃ | |
| | ACLR | ≤-50 @750K ≤-55 @1.98M | dBc | |
| | Gain Variation | ±2 @-40℃~+55℃ | dB | |
| | ALC Variation | ±1.5 @-40℃~+55℃ | dB | |
| Power Supply | | ≤4@+28V; | A | 3carriers |
| Power Supply Connector | | 3W3 | | Male |
| RS485 Connector | | D-sub9 (Male) | | Male |
| RF Input Connector | | SMA | | |

二. RS485 Definition

| Item | | Specification | Remark |
|--------------------|-----------|------------------|-----------|
| Setting Parameters | RF Switch | Turn On/Off MCPA | |
| | ALC | Change ALC Power | ±1dB |
| | ATT | 0~31dB | Step: 1dB |

| | | | |
|--------------------|-------------------------|-------------------------|--|
| Reading Parameters | PA ON/OFF | Show Setting Value | |
| | Output Power | Range:Pomax+2, Pomax-20 | |
| | VSWR(Output) | | |
| | Temperature | -40℃ ~+100℃ | |
| | ALC | Show Setting Value | |
| | ATT | Show Setting Value | |
| Alarm | Output Power Over Alarm | | |
| | High temperature Alarm | | |
| | Failure Alarm | | |

三. Mechanical Structure

1. Dimensions: 240*150*22mm³

2. Interface:

1) Power Supply: 3W3 (Male);

Pin1: +28V

Pin2; GND

Pin3; NC

2) RF connector: SMA-50KFD (Input/Output);

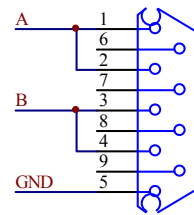
3) RS485: DB9-Male

Pin1&2, RS485A

Pin3&4, RS485B

Pin5, GND

Pin6-9, NC



3. Outline:

