

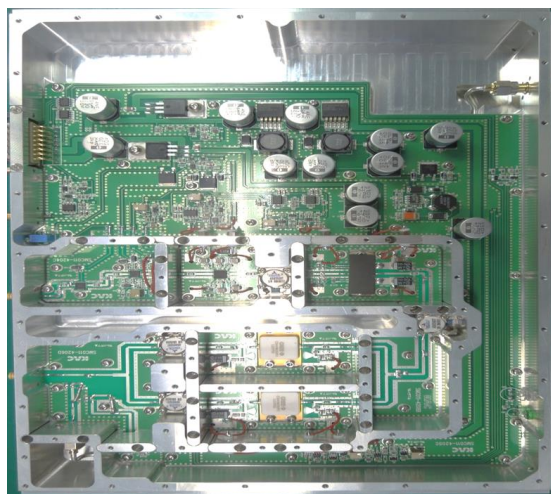
# AX80-01A

9200~9500MHz 80W HPA



## General Description

The AX80-01A designed for radar systems applications. It has a wider bandwidth and higher efficiency. Operating 9200~9500MHz, the AX80-01A achieves 43dB of gain



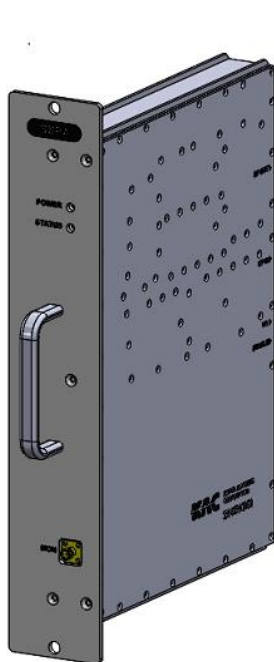
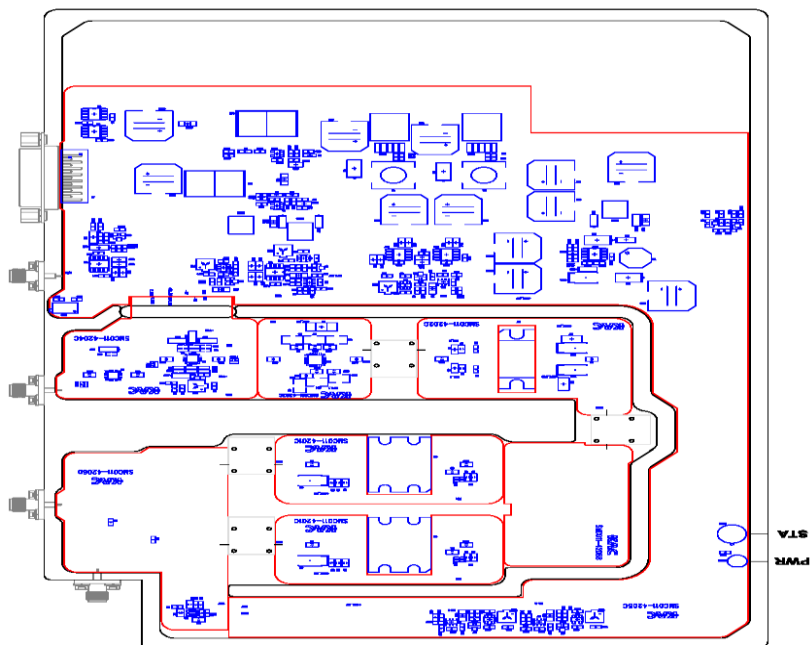
## Applications

- Marine radar
- Navigation radar
- Weather radar
- Missile tracking radar
- Space exploration radar
- Surveillance ground radar
- Threat detection radar
- Air traffic control radar

## Electrical Specification

| Parameter                   | Specification                | Comment           |
|-----------------------------|------------------------------|-------------------|
| Frequency                   | 9200 ~ 9500MHz               |                   |
| Peak Output Power           | 80W                          | Typ. @20% Duty    |
| Pulse width                 | Short : 75nS<br>Long : 7.5uS |                   |
| Power Droop During RF pulse | < 0.6dB                      | @20us pulse width |
| Gain                        | 43dB                         | Min.              |
| Gain Flatness               | $\pm 0.5$ dB                 |                   |
| Duty Cycle                  | 20%                          | Max.              |
| Rise/Fall Time              | 20ns                         | Max.              |
| Harmonic                    | -60dBc                       | Max.              |
| In band Spurious            | -65dBc                       | Max.              |
| Out band Spurious           | -65dBc                       | Max.              |
| Input / Output Impedance    | 50ohm                        |                   |
| Isolation                   | 80dB                         | Min.              |
| Transmit Gate signal        | Active Low                   |                   |

## Mechanical Specification



< Front side >



< Back side >