

# AIRT14AC-100K/9.0G

## Medium power broadband amplifier

- Ultra wideband linear amplifier
- High end frequency ; 9.0GHz
- Medium power (+14dBm) drive
- Low noise figure (<7dB)
- Medium gain (30dB)
- Low power consumption



### Electrical specification

|                                    |                      |
|------------------------------------|----------------------|
| Bandwidth                          | 100kHz to 9.0GHz     |
| Gain                               | 30+/-1dB             |
| Gain ripple relative to gain slope | +/-2dB               |
| Temperature coefficient            | -0.05dB/deg          |
| Operating temperature range        | 0deg to +60deg       |
| Output power at 1dB compression    | 14dBm                |
| Input return loss                  | <-6dB                |
| Output return loss                 | <-6dB                |
| Rise time                          | 30ps                 |
| Overshoot                          | 0%                   |
| Noise figure                       | <7dB                 |
| Supply voltage                     | +10V/250mA, -2V/20mA |
| Dimensions                         | 50mm X 70mm X 19mm   |

