

Added Value RF & Microwave Solutions

Broadband Solid State Power Amplifiers

Broadband off the shelf or custom designed SSPAs as airborne baseplate miniature modules or as 19" 3U compact rackmount AC units, CW or Pulsed operation from 100W to 1KW upto Ku frequency band.

Applications

TWT Replacements, Transmitters for EW/ECM, Radar, Communication Links, Transponders and more.

Features

- Ethernet control for rackmount units
- ALC option for rackmount units
- RS-422 control for miniature module units
- High efficiency and small form factor
- Open / short load protection
- Over temperature / power / current protected
- Gracefull degradation - optional
- Calibration over frequency - optional
- Input and output as well as reflected power detectors
- Fast FPGA parallel processing controlled
- Semi or Full Custom designs and firmwares are welcome



Technology

Gallium Nitride (GaN) based active devices for ultimate broadband / high efficiency performance using proprietary networks and fast FPGA parallel processing control for "360 degree" protection and rich feature enabled.

Products

- VEC-110:** 800-1650 MHz, 250W CW or pulsed rackmount unit.
- VEC-111:** 1200-1400 MHz, 400W pulsed rackmount unit.
- VEC-112:** 8-11 GHz, 250W pulsed airborne unit.
- VEC-112B:** 8-11 GHz, 125W pulsed airborne unit.
- VEC-113:** 800-2500 MHz 250W CW or pulsed rackmount unit.
- VEC-114:** 800-2500 MHz, 600W CW rackmount unit.
- VEC-115:** 800-2500 MHz, 800W / 1KW pulsed rackmount unit.