

Radiofrequency Modules Line

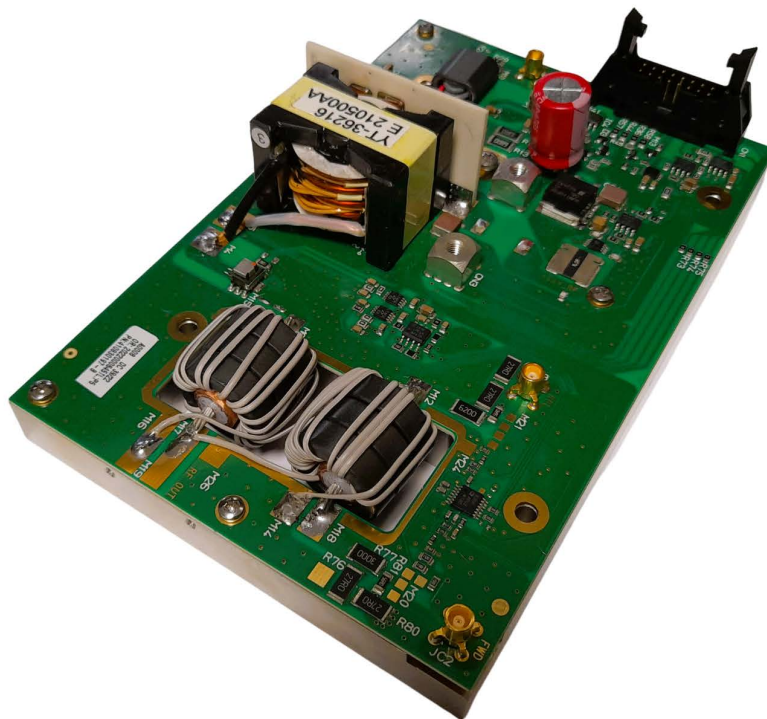
HF AMPLIFIER (400kHz-5MHz)



HF AMPLIFIER

RF CHARACTERISTICS

- Device: NXP MRF1K50H
- Frequency range: 0.4 - 5 MHz
- DC Power supply: 36-42 V
- Input/Output impedance: 50 Ω
- Class: C (2.4 V gate bias)
- Test Signal: CW
- Output Power ≥ 500 W (0.4 - 3 MHz); ≥ 400 W (3 - 5 MHz)
- Efficiency $\geq 80\%$ (0.4 - 3 MHz); $\geq 70\%$ (3 - 5 MHz)
- Power Gain ≥ 30 dB
- Load mismatch ruggedness: 65:1 Load VSWR, all phase angles



ADDITIONAL FEATURES

- ☐ Built-in directional coupler for forward/reflected power measurement
- ☐ Programmable overcurrent protection
- ☐ RMS load/current voltage and VSWR measurement for reactive loads
- ☐ Base plate dim: 160x105 mm
- ☐ Typical application: radiofrequency ablation

