RF Broad-Band Power Amplifiers
UHF system up to 2 kW output power

- rugged solid state manufacturing
- excellent linearity
- high spectral purity
- compact design
- light weight
- protection circuits against load mismatch, overdrive, overheat and overload
- built in sequence control with power supply for external preamplifiers
- several options on request

Frequency range: 390 – 460 MHz
Bandwidth: wide band 70 MHz or small band on request
Output power: min. 50 W CW, @1 dB (0,2dB) compression max. 2 kW (standard, up to 5 kW on request) PTT and RESET local or remote switchable

Input power: 3 Watt for nominal output power
Ripple: ± 1 dB or (0,5dB)
Harmonics: - 60 dBc min.
Para waves: - 60 dBc @ 1 Tone rejection

System impedance: 50 Ohm

Max. load VSWR: 1:4,0 incl. Isolator
Supply voltage: 185-260 V 50-60 Hz, 6,3A (US-version on request)
Activation period: 100%
Environmental temperature: -30°C bis +40°C
Dimensions: 482 x 176 x 470 mm (B x H x T) 19“-rack mount unit
RF connections: N-Norm socket back side
Control socket: DIN connector with interface for PTT, RESET, MONITOR

e.g. 250 W RF amplifier 400 MHz