

RF Broad-Band Power Amplifier

UHF system 500 W output power



e.g. 250 W RF amplifier 400 MHz

- 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: | 350 – 470 MHz |
| Bandwidth: | 60 MHz or (10 MHz) |
| Output power: | min. 450 W (500W) CW, @1 dB (0,2dB) compression (up to 2 kW) |
| Input power: | 1 Watt, or 3 Watt |
| Ripple: | ± 1 dB or (0,5dB) |
| Harmonics: | - 60 dBc min. |
| Para waves: | - 60 dBc @ 1 Ton rejection |
| System impedance: | 50 Ohm |
| Input matching: | min 20 dB |
| Max. load VSWR: | 1:4,0 incl. Isolator |
| Supply voltage: | 185-260 V 50-60 Hz, 6,3A |
| Activation period: | 100% |
| Environmental temperature: | -30°C bis +40°C |
| Weight: | 16 kg |
| Dimensions: | 482 x 176 x 470 mm (B x H x T) 19"-rack mount unit |
| RF connections: | N-Norm socket bak side |
| Conformity: | 06/95/EC, 2004/108/EC and 99/5/EC: EN 301 783-1 V1.1.1 (2000-09), EN 301 783-2 V1.1.1 (2000-09) EN 301 489-1 V1.6.1 (2005-09), EN 301 489-15 V1.2.1 (2002-08) EN 60950-1: 2006 |