

FM Broadcast Power Amplifier mod. ASM10K

Key Features

- > Equipped with the latest MOSFET RF technology, the ASM10K FM power amplifier features excellent efficiency and compact design.
- > Four ASM2K-H Amplifiers are combined in a compact and clear modular design.
- > High efficiency of at least 64% independent of output power level.
- > Each RF amplifier has its own power supply, guard circuits and integrated harmonic filter.
- > Each amplifier module is, therefore, selfmonitoring and self-protective
- > Reduced stock of spares and high standardization level through the use of identical modules
- > Easy monitoring and intelligent fault detection system as well as remote control via BITBUS or modem
- > High reliability and optimum price/performance ratio are distinguishing features of the ASM10K



Specifications

- Frequency range: 87.5 - 108 MHz
- Type of transistors: St Microelettronics SD2942
- Output RF connector: 1 5/8" EIA
- Input RF connector: NF
- IN/Output Impedance: 50 ohm
- Harmonic suppression: > 72 dB
- Power gain: > 18dB
- Residual asynchron AM: < 0,10%
- Threshold of ROS by software: 11 %
- Threshold of ROS fast hardware: 11 %
- General stability of the output power: +/-0,1 dB
- Efficiency: 65% typ.
- Permissible voltage variation: 15%
- Operating temperature range: 0° to +45 °C
- Permissible relative humidity: 95% @ +35°C
- Maximum installation height: 3000m above mean sea level
- AC supply voltage: 380 V or 400 V 3 phases + neutral wire
- Power ratio: >0,9
- Delta temperature: < 15°C
- Redundance power supply: yes
- Redundance cooling: yes
- ✓ More than 50 parameters shown on LCD display
- ✓ Setting all parameters from the frontal panel via rotary knob encoder and LCD display

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