



# FA4K

## 4 KW FM POWER AMPLIFIER



The FA4K FM Amplifier is designed to provide more reliable FM transmitters using the extremely rugged LDMOS power transistor for the FM broadcast market.

### Main Features

- Very Efficient LDMOS Amplifier
- Measurement and display of the transmitter's working parameters
- Seven Selectable Complete Set-up Ready For Use N+1 System
- Automatic start/stop for air conditioner
- Event logs can be seen on display or printed out with date&time of event
- High Reliability Use Of Microstrip Technology
- VSWR>65:1

### Options

- GSM/GPRS Modem for internet connection
- Remote Control Via Internet (TCP/IP, SNMP)





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Technical Parameters		
RF DATA	Operating Frequency	87.5-108.0 MHz
	RF Power Input	20W
	RF Power Output	4000W
	RF Input Connection	N
	RF Output Connection	EIA7/8
	Input / Output Impedances	50Ω
	RF Probe	-60 dBm, 50 Ohm, BNC
	Power Stability	<1%
	Overall Efficiency	75%
	Spurious and harmonic suppression (ref. to carrier)	< - 80 dBc
	Synchronous AM (ref.100% mod.)	< - 58 dB
	Asynchronous AM (ref.100% mod.)	< - 50 dB
	MEASURED VALUES	Forward Power
Relected power		
DC supply voltage of each RF stage		
DC supply current of each RF stage		
Heat sink Temperature		
Environmental Temperature		
Humidity		
ENVIRONMENTAL	Cooling	forced air by internal fans
	Service	continuous 7/24 h
	Operating temperature	15 to + 45°C/ 5 to + 104°F
	Max. Installation altitude	4000m on seal evels
POWER	AC Voltage	180/264 VAC-47- 63 Hz
	Power consumption	5400VA
PHYSICAL FEATURES	Height	5U (22 cm)
	Depth	77.5 cm
	Width	48.5 cm
	Weight	53 kg