



FA1K

1 KW FM POWER AMPLIFIER



The FA1K 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	5W
	RF Power Output	1000W
	RF Input Connection	N
	RF Output Connection	7/16
	In / Out Impedences	50Ω
	RF Probe	-50 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	
ENVIRONMENTAL	Humidity	
	Cooling	forced air by internal fans
	Service	continuous 7/24 h
	Operating temperature	15 to + 45°C/ 5 to + 104°F
POWER	Max. Installation altitude	4000m on seal levels
	AC Voltage	90/264 VAC-47- 63 Hz
PHYSICAL FEATURES	Power consumption	1280 VA
	Height	3U (13.5cm)
	Depth	55 cm deep including connectors
	Width	48.5 cm Rack Mountable
	Weight	23 kg