



FA8K

8 KW FM POWER AMPLIFIER

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)



The FA8K FM Amplifier is designed to provide more reliable FM transmitters using the extremely rugged LDMOS power transistor for the FM broadcast market. It consists of 2 pieces FA4K amplifier.





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Technical Parameters		
RF DATA	Operating Frequency	87.5-108.0 MHz
	RF Power Input	50W
	RF Power Output	8000W
	RF Input Connection	N
	RF Output Connection	EIA7/8
	In / Out Impedences	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	3 phase, each 180/264 VAC—47- 63 Hz
	Power consumption	10900 VA
PHYSICAL FEATURES	Height	21U
	Depth	64 cm deep including connectors
	Width	43 cm Rack Mountable
	Weight	160 kg