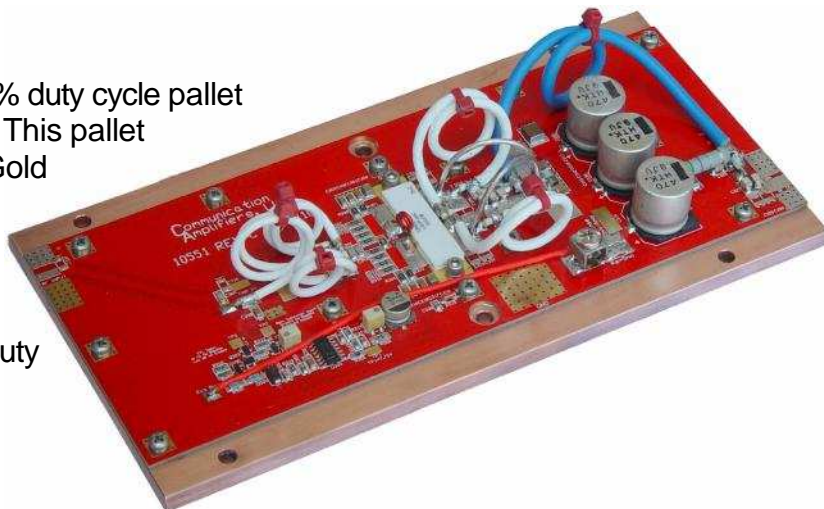


Communication Amplifiers, LLC

CAP1000-FM

88-108 MHz, 1000 Watt
Pallet Amplifier

The CAP1000-FM is a 1000 Watt CW, 100% duty cycle pallet amplifier for FM Broadcast (88-108 MHz). This pallet is built on a copper heat spreader with a Gold plated printed circuit board, utilizing the latest 50Vdc, EXTREMELY RUGGED, LD MOSFET technology. Like all Broadcast transmitting equipment this pallet amplifier is designed for continuous 100% duty cycle operation.



Features

- 1000 Watts CW minimum
- 50 Ohms input/output
- Temp compensated Bias
- 100% Duty Cycle
- Copper Heat Spreader
- No tuning

Specifications:

Vdc = +46, Idq = 0.1A, Tbase = 25°C

Parameter	Min.	Typ.	Max	Unit
Frequency	88		108	M Hz
RF Power output	1000	1200		Watts, CW
Gain	24			dB
RF Power input		4.8	4.0	Watts
DC current		29		Amps
Input VSWR		1:2:1		
Efficiency		75		%
2nd Harmonic		-28		dBc
3rd Harmonic		-16		dBc
Baseplate Operating Temperature	0		75	°C
Size	4.0" x 7.8" x 1.5"			

Maximum Ratings

Parameter	Value
Input Voltage	+52VDC
Bias Current	2.0 Amp
Drain Current	36.0 Amp
Load Mismatch	10:1
Baseplate Temp	+80°C
Storage Temp	-40°C - +105°C

Specificati

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