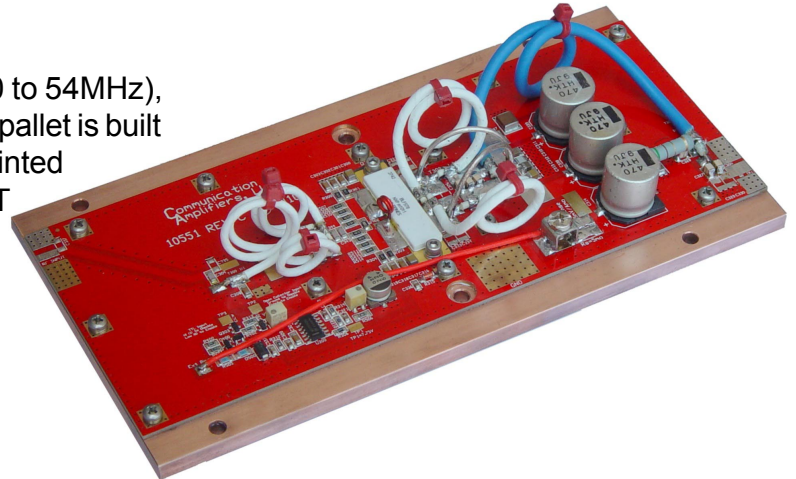


Communication Amplifiers, LLC

CAP1000-6M

50 - 54 MHz - 1000 Watt
Pallet Amplifier

The CAP1000-6M is a 1000 Watt, 6 Meters (50 to 54MHz), 100% duty cycle, all Mode pallet amplifier . This pallet is built on a copper heat spreader with a Gold plated printed circuit board, utilizing the latest 50V LDMOSFET technology. Like the amplifiers used in the Broadcast industry this pallet is designed for continuous 100% duty cycle.



Features

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

Specifications:

Vdc=+50, Idq=2.0A, Tbase=25°C

Maximum Ratings

Parameter	Value
Input Voltage	+52VDC
Bias Current	4.0 Amp
Drain Current	40.0 Amp
Load Mismatch	10:1
Baseplate Temp.	+80°C
Storage Temp	-40°C - +105°C

Parameter	Min.	Typ.	Max.	Unit
Frequency	50		54	MHz
Pout P1dB	800	1000		Watts
Gain		24		dB
Power in		4		Watts
DC current		29		Amps
Input VSWR			1.2:1	
Efficiency	65	70		%
2nd Harmonic		-27		dBc
3rd Harmonic		-16		dBc
Baseplate Operating Temperature	0		75	°C
Size	4.0" x 7.8" x 1.5"			

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