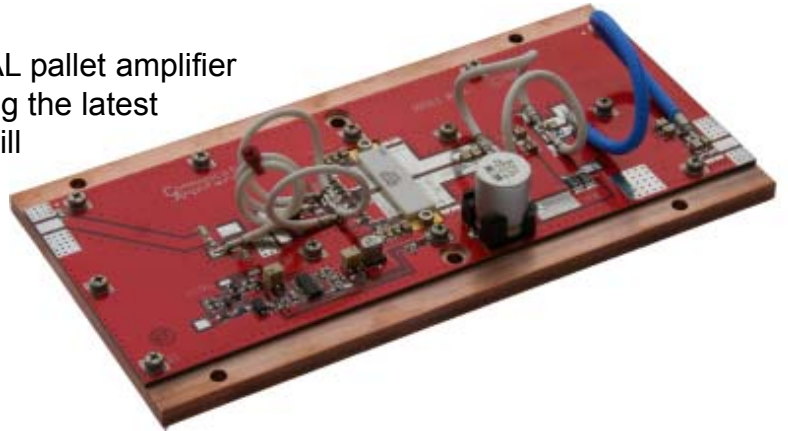


## CAP300DVH

170-230 MHz, 300 Watt ATSC  
Digital Pallet Amplifier

The CAP300DVH is a 300W ATSC DIGITAL pallet amplifier for Band III (170-230 MHz) VHF TV, utilizing the latest 50V LDMOSFET technology. This pallet will deliver 300 Watts RMS with -40dB shoulders uncorrected.



### Features

- 300 Watts ATSC @ -40dB
- 50 Ohms input/output
- Temp compensated Bias
- 1200 Watts PEP @ P1dB
- No tuning

### Maximum Ratings

Parameter	Value
Input Voltage	+52VDC
Bias Current	2.0 Amp
Drain Current	23.0 Amp
Load Mismatch	5:1
Baseplate Temp	+60°C
Storage Temp	-40°C - +105°C

### Specifications:

Vdc = +50, Idq = 2.0A, Tbase = 25°C

Parameter	Min.	Typ.	Max	Unit
Frequency	170		230	MHz
Pout P1dB		1200		Watts PEP
Pout ATSC		300		Watts RMS
Gain		23		dB
Power in		1.5	1.7	Watts
DC current		20		Amps
Input VSWR		2.0:1		
Efficiency		30		%
2nd Harmonic		-25		dBc
3rd Harmonic		-15		dBc
Baseplate Operating Temperature	0		60	°C
Size	4.0" x 7.8" x 1.5"			

### Communication Amplifiers, LLC