



ZHM100-250/300 TV VHF LINEAR AMPLIFIER 300 W IN A CLASS WITH ADJUSTABLE POWER OUTPUT

DESIGNED FOR 230 MHz IN VHF

This is our new designed Professional VHF RF amplifier 300 W RF power for 230 MHz band. This amplifier needs 1.5 W-2 W RF power for a full 300 W output/50 ohms in CW. DC Power 48 V / 6.5 A. Extremely linear this amplifier has been made for the labs or special applications

Dimensions: 11.0" X 4.1" X 3.4".



Technical Specifications	
BATTERY POWER	48 V
RF POWER	300 W CW
CURRENT CONSUMPTION	6.5A max
RF IN/OUT	50 ohms
INPUT POWER	1.5-2 W (3 W MAX)
FREQ. RANGE:	230 MHz
HIGH GAIN	23 dB / 60 MHz
SIZE:	11.0" X 4.1" X 3.4"
OPERATION: WIDEBAND OPERATION	WIDEBAND 100-250 MHz
CLASS	LINEAR AB/A
POWER OUT	MAX 330 W

Electrical Specifications					
PARAMETER	MIN.	TYP.	MAX	UNITS	NOTE
FREQUENCY	100		250	MHz	
P1DB	250	280	330	W	
POWER		330		W _{pep}	2 tones, 100 kHz spacing (-27 dBc)
POWER INPUT		2-3		W	
GAIN	23	23		dB	
V SUPPLY			48	V _{dc}	
DRAIN CURRENT			6.5	A	
INPUT RETURN LOSS		-2.9		dB	
PHASE VARIATION		+/- 5%			
GAIN VARIATION			+/-1.5	dB	
F2 SECOND HARMONIC		-38	-25	dBc	
F3 THIRD HARMONIC		-49	-30	dBc	
BASE PLATE TEMP.	-10		+75	C	
BLOWING FANS REQUIRED					

Physical Dimensions (L x W x H): 11.0" x 3.4" x 4.1"
Weight: 3 lb