
AMP45-990/7
WIDEBAND LINEAR AMPLIFIER
45 MHz – 1000 MHz



The new linear amplifier for UHF band is excellent design made for special applications, lab testing, digital and analog RF and TV applications. This amplifier works in wideband frequency range from 45 MHz- 1000 MHz It requires 12 VDC / 2 A. The minimum driving input is 1 mW; absolute maximum RF input is 50 mW. Rated RF power is over 7 W. It comes with BNC input / output connectors. Excellent for special Military wideband applications.

Technical Specifications	
Frequency:	45-1000 MHz
Gain:	26 dBi
DC power	9-12V
Current consumption:	2 A max
Frequency:	40 MHz- 1 GHz
Impedance: input-output	50 ohms
Max. input power	50 mW
VSWR:	< 1.5:1 avg.
Connectors:	SMA
Weight:	500 grams
Size:	6" X 4" X 2"
Operating temperature:	-40 ° C to 85 ° C
RoHS compliant:	Yes

TEST RESULTS

FREQUENCY	POWER INPUT 1 (dBm)	POWER OUTPUT 1
45 MHz	0	5950 mW
50 MHz	0	6450 mW
60 MHz	0	6850 mW
70 MHz	0	7.15 W
80 MHz	0	7.60 W
90 MHz	0	7.95 W
100 MHz	0	7.00 W
145 MHz	0	7.35 W
200 MHz	0	6.25W
250 MHz	0	6.82 W
300 MHz	0	6885 mW
400 MHz	0	6750 mW
500 MHz	0	6550 mW
600 MHz	0	6950 mW
700 MHz	0	7.15 W
800 MHz	0	7365 mW
860 MHz	0	6500 mW
900 MHz	0	6275 mW
1.00 GHz	0	6125 mW

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