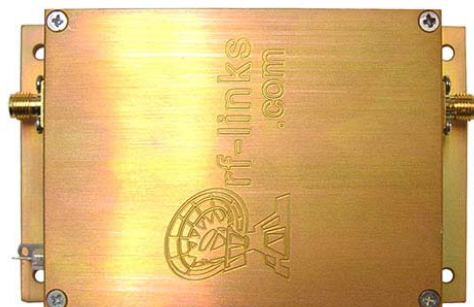


AMP50-990/5BX
WIDEBAND LINEAR AMPLIFIER
50 MHz – 1000 MHz



The new linear amplifier for UHF band is excellent design made for special applications, lab testing, digital and analog RF applications. This board requires 12 VDC / 1.5A. The minimum driving input is 1 mW; required RF input is 5-20 mW. Rated output RF power is 5 W.

Technical Specifications	
Frequency:	50-1000 MHz
Gain:	26 dBi
DC power	9-12V
Power Output:	5 W
Current consumption:	1.6 A max
Impedance: input-output	50 ohms
Max. input power	50 mW
VSWR:	< 1.5:1 avg.
Connectors:	SMA
Weight:	160 grams
Length:	3.25 inch X 2.45 inch X 0.9 inch
Operating temperature:	-40 ° C to 85 ° C
RoHS compliant:	Yes

TEST RESULTS

FREQUENCY	POWER INPUT 1 (dBm)	POWER OUTPUT 1	POWER INPUT 2 (dBm)	POWER OUTPUT 2
50 MHz	0	1.65 W	15.00	2.65W
60 MHz	0	1.85 W	15.00	2.85 W
70 MHz	0	1.85 W	15.00	3.20 W
80 MHz	0	1.90 W	15.00	3.45 W
90 MHz	0	1.95 W	15.00	3.46W
100 MHz	0	2.00 W	15.00	3.44W
145 MHz	0	1.35 W	15.00	4.50 W
200 MHz	0	1.25W	15.00	4.88 W
250 MHz	0	1.12 W	15.00	5.15W
300 MHz	0	1.85 W	15.00	5.29 W
400 MHz	0	1.25 W	15.00	5.0 W
500 MHz	0	1.85 W	15.00	5.89 W
600 MHz	0	1.5 W	15.00	5.45 W
700 MHz	0	1.6 W	15.00	5.35 W
800 MHz	0	1.0 W	15.00	5.25 W
860 MHz	0	1.9 W	15.00	5.22 W
900 MHz	0	1.8 W	15.00	4.6 W
1.00 GHz	0	1.6 W	15.00	4.5 W