



Model UWBA-10X ULTRA - WIDE - BAND AMPLIFIERS



The **NEW** KH6HTV VIDEO Model UWBA-10X is a line of Ultra-Wide-Band Amplifiers with a flat frequency response extending from the audio range (kHz) up to microwaves (GHz). They are intended for use as low cost, instrumentation amplifiers with instruments such as spectrum analyzers and oscilloscopes, but also can be used for amateur radio and commercial telecommunications applications.

The amplifier line offers a selection of either high power (+20dBm), low noise (2.3dB) or high bandwidth (5GHz).

The -3dB low frequency cutoff is a very low, 1.2 kHz. However, if the buyer requires a higher cutoff frequency, it can be supplied at no extra cost, upon request.

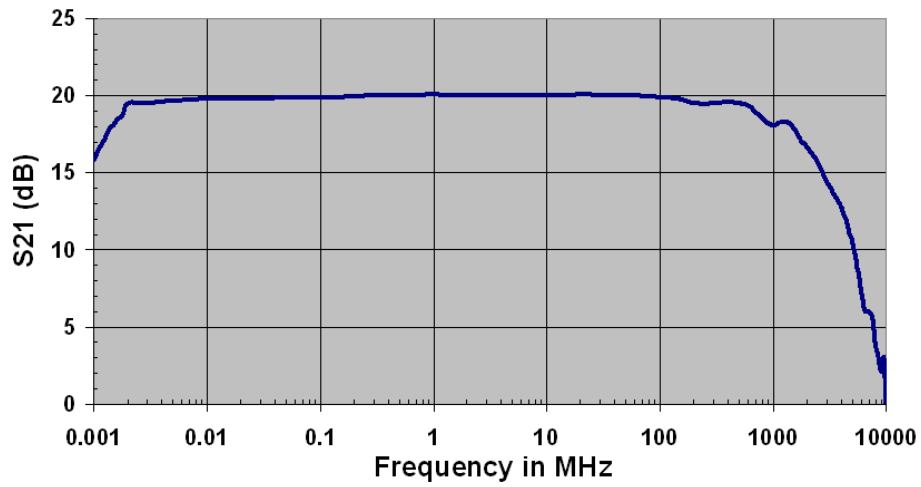
PARAMETER (*)	UWBA-100	UWBA-101	UWBA-102
Key Spec	high power,+20dBm	low noise, 2.3dB	high BW, 5GHz
S21 Gain	20 dB	23 dB	11 dB
Pout(-1dB)	+20 dBm	+12 dBm	+14 dBm
IP3	+36 dBm	+25 dBm	+28 dBm
Band-Width (-3dB)	1.9 GHz	1.4 GHz	5 GHz
Low Frequency (-3dB)	1.2 kHz	1.2 kHz	1.2 kHz
Noise Figure	4.5 dB	2.3 dB	6 dB
S11 Input Return Loss	20 dB	> 25 dB	> 15 dB
S22 Output Return Loss	> 25 dB	> 15 dB	> 15 dB
S12 Isolation	-22 dB	-25 dB	-17 dB
DC Current @ 12 Vdc	90 mA	45 mA	60 mA
DC Supply Voltage	12 Vdc, +11 to +15 V range, internal voltage regulators		
RF & DC Connectors	SMA jacks (female) DC = solder terminal on feed-thru capacitor		
Dimension	1.5" x 3.6" x 1.25" fully shielded, die-cast enclosure		

(*) unless noted otherwise, specs. are at 100 MHz. Contact us for additional performance data.

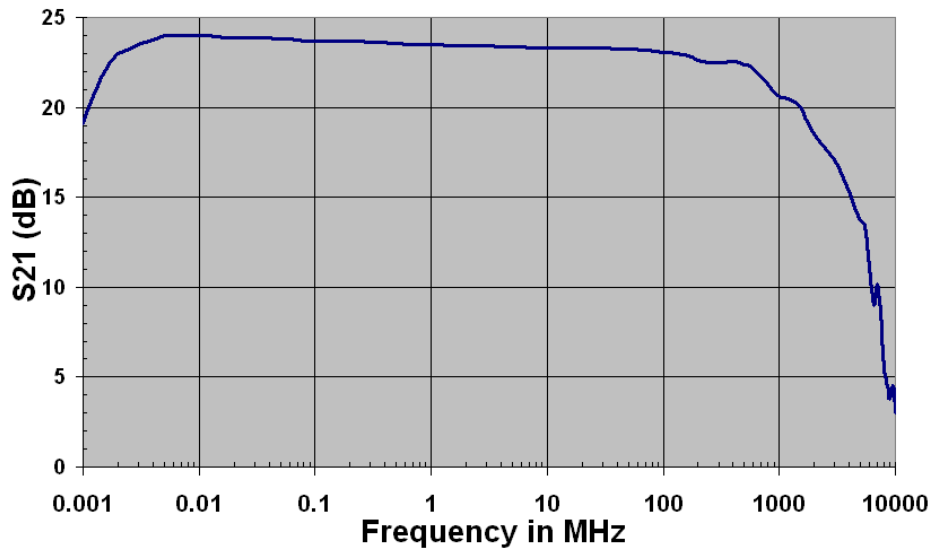
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Maui, Hawaii & Boulder, Colorado, USA

UWBA-100 S21



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