

# KH6HTV VIDEO -- PRICE LIST Rev. 23 Aug 2017

## Ultra Wide-Band (kHz to GHz) Amplifiers

Model #	Price	Category	Details
UWBA-100	\$180	Amplifier	+20dBm, 20dB, 4.5dB NF, 1.2kHz-1.9GHz
UWBA-101	\$180	Amplifier	2.3dB NF, 23dB, +12dBm, 1.2kHz-1.4GHz
UWBA-102	\$180	Amplifier	1.2kHz-5GHz, 11dB, 6dB NF, +14dBm

## Wide-Band Low Noise Amplifiers - LNAs

Model #	Price	Category	Details
WB-LNA-1	\$100	LNA Pre-Amp	1dB NF, 15dB, useful from 0.4-3.5GHz
WB-LNA-2	\$100	LNA Pre-Amp	2.5dB NF, 20dB, useful from 0.9-5.8GHz

## 70 cm (420-450 MHz) Products

Model #	Price	Category	Details
70-2A	\$250	CATV Modulator	Pico-Macom MMA-860 modified for operation on 426.25 MHz & 434 MHz
70-4C	\$100	Linear Amplifier	50MHz - 1.5GHz, 20dB gain, 4dB NF, +20dBm
70-7B	\$340	Linear Amplifier	50 dB gain, 20 W(sat), 10W(VUSB-TV),3W(DTV)
70-9B	\$450	Linear Amplifier	50 dB gain, 60W(sat), 25W(VUSB-TV),10W(DTV)
70-10AD	\$1,000	TV Transmitter	VUSB-TV, switchable 10, 3 or 1 Watts (pep), includes built-in CATV, NTSC modulator.
70-12C	\$380	Linear Amplifier	53 dB gain, 40W(sat), 15W(VUSB-TV), 6W(DTV)
70-14	\$90 +\$60	DTV Receiver add opt. - DC	70cm, DVB-T/T2 & 23cm DVB-S/S2 set-top box modification to add +12Vdc & Valid Signal Output
70-BPF-5P -6M-XXX	\$325	Band-Pass Filter	Chebyshev Band-Pass Filter, 6 MHz bandwidth, specify XXX as desired center frequency in MHz

## 33 cm (902-928 MHz) Products

Model #	Price	Category	Details
33-1A	\$370	Linear Amplifier	42dB gain, 15 W(sat), 6 W(VUSB-TV), 2 W (DTV), can also use on 70cm band at lower power
33-3B	\$450	Linear Amplifier	50dB gain,50W(sat),20W(VUSB-TV),6W(DTV)
23-4LNA-33	\$100	Pre-Amp	0.9 dB NF, 34dB gain

## 23 cm (1240-1300 MHz) Products

Model #	Price	Category	Details
23-1	\$575	FM-TV Transmitter	FM-TV, 3 watts, 3 channel
23-4LNA	\$100	Pre-Amp	0.9 dB NF, 34 dB gain
23-5	\$375	70 MHz IF Amp & FM-TV Demodulator	use with a down converter to make a microwave FM-TV Receiver
23-6	\$350	Up-Converter	19dB conv. gain, +16dBm, IF 5-500 MHz
23-7	\$350	Down-Converter	22dB conv. gain, 0.9dB NF, IF 5-500 MHz
23-8	\$375	FM-TV Modulator	700-1400MHz, +20dBm
23-11A	\$450	Linear Amplifier	50dB gain, 40W(sat), 10W(VUSB-TV), 3W(DTV)

## SURPLUS CRYSTALS for sale

( \$10 each, includes 1st class postage in envelope)

Channel (MHz)	Xtal Freq. (MHz)	Holder	Quan Available	Useage
426.25	106.5625	HC-50/U	-0-	PCE 70cm TV transmitter x 4
427.25	108.8125	HC-50/U	-0-	PCE 70cm TV transmitter x 4
433.00	108.2500	HC-50/U	1	PCE 70cm TV transmitter x 4
438.75	109.6875	HC-50/U	4	PCE 70cm TV transmitter x 4
439.25	109.8125	HC-50/U	1	PCE 70cm TV transmitter x 4
421.25	17.552083	HC-50/U	1	x 24 to 70cm
426.25	17.760417	HC-50/U	1	x 24 to 70cm
439.25	18.302083	HC-50/U	1	x 24 to 70cm
438.75	80.666667	HC-50/U	4	
1277.25	106.4375	HC-50/U	1	PCE 23cm TV transmitter x 12
1289.25	107.4375	HC-49/U	1	PCE 23cm TV transmitter x 12
1277.25	4.989258	HC-49/U	1	x 256 to 23cm

Most crystals formerly used in P.C. Electronics AM-TV Transmitters ( [www.hamtv.com](http://www.hamtv.com) )

## SURPLUS TEST EQUIPMENT for sale :

(note: prices do not include shipping)

**HP model 4274A Multi-Frequency LCR METER:** includes model 16047A Test Fixture and operating manual. In operating condition. Price = \$1,000 (note: typical on-line price is \$1,500 + \$500 for test fixture)

**HP 300MHz, 64 bit WORD GENERATOR:** includes following modules: model 8080A main frame, model 8081A 300MHz Rate Generator, model 8084A 64 bit Word Generator, and model 8083A Differential Output Amplifier. In operating condition. Price = \$1,000 (note: typical on-line price is \$2,000)

**PICOSECOND PULSE LABS, Model 4015C, PULSE GENERATOR:** -10 Volt Pulse into 50 Ω, 15ps falltime, 5ns pulse flat top duration, adj. rep. rate, 500kHz max., Includes: model 4015RPH Remote Pulse Head and semi-flex coax cable. In operating condition. Price = \$15,000

**PICOSECOND PULSE LABS, Model 5208, IMPULSE FORMING NETWORK:** use with the above model 4015C, -10V, 15ps pulse generator to create a -3 Volt, 22ps Impulse. In operating condition. Price = \$1,500

**PICOSECOND PULSE LABS, Model 4050A, PULSE GENERATOR:** 10 Volt Pulse into 50 Ω, 45ps risetime, 10ns pulse duration, adj. rep. rate, 1 MHz max., adj. delay 0 - 100ns. Includes: model 4050RPH Remote Pulse Head and 1 meter, semi-flex coax cable. In operating condition. Price = \$3,500

**PICOSECOND PULSE LABS, Model 5210, IMPULSE FORMING NETWORK:** use with the above model 4050A, 10V, 45ps pulse generator to create a 2.5 Volt, 50ps Impulse. In operating condition. Price = \$500

**PICOSECOND PULSE LABS, Model 2000, PULSE GENERATOR:** 50 Volt Pulse into  $50\ \Omega$ ,  $< 1/2$  ns risetime, 20ns pulse duration, adj. rep. rate, 100kHz max., adj. delay 50-150ns. In operating condition. Price = \$300

**PICOSECOND PULSE LABS, Model 6000 OPTICAL & ELECTRICAL PULSE GENERATOR:** 10MHz max. rep. rate, full controls of rep. rate, delay, duration, single pulse, double pulse & square wave. differential TTL & ECL electrical outputs, infra-red LED optical output. In operating condition. Price = \$100

**PICOSECOND PULSE LABS, Model 5620 ECL TERMINATOR:** Price = \$50

## **SURPLUS TV EQUIPMENT for sale :** **(note: prices do not include shipping)**

**CATV VUSB-TV MODULATOR:** Blonder-Tongue model ACM-806. These were used by the cable companies as the primary source in their head-ends. freq synthesized for all CATV channels 54-806MHz (including ham 70cm band channels 57-61), puts out perfect VUSB-TV signal, requires +5V & +12Vdc power. Use with a linear rf power amplifier to build a great 70cm TV transmitter. New, unused condition. Sells new at ATV Research for \$219 Price = \$150 (k0rz)

**7", 12Vdc, COLOR TV RECEIVER / MONITOR:** Digital Prism (identical to Haier HLT71) model ATSC-710, receives USA standard analog NTSC, digital ATSC and cable TV. Includes coverage of ham 70cm band. NEW in original carton with all accessories including: rechargeable battery, 12/24Vdc car power cable, 100/240Vac wall-wart power supply, telescoping antenna, remote control, & manual. Price = \$80 (kh6htv)

**70cm & 33cm RF LINEAR POWER AMPLIFIER:** KH6HTV Video model 70-5, s/n 1 prototype. 39dB gain, 30MHz - 1.5GHz bandwidth, class A amp, 1 Watt(pep) output for 70cm analog TV, 300mW(avg) output for 70cm DVB-T. 100mW(avg) output for 33cm DVB-T, +12Vdc, 550mA, email for complete specs. Price = \$125 (kh6htv)

**23cm AM-TV TRANSMITTER:** P.C. Electronics model TXA5-23, 1 Watt (pep) (+30dBm), includes KH6HTV VOX circuit, connectors: BNC (rf out), RCA (A/V), built in die-cast aluminum box (7 1/2" x 4 3/4" x 2 1/4"), +12Vdc 350ma Price = \$50 less xtal, order xtal separately from above list at \$10 each (kh6htv)

**23cm FM-TV RECEIVER:** import sold by PC Electronics as model 33/23FMR, freq. synthesized on 4 channels ( 1247, 1262, 1277 & 1292MHz), dual A/V outputs, +12Vdc, in all metal case (7 1/2" x 5" x 1 1/4") Price = \$35 (kh6htv)

**23-33cm FM-TV RECEIVER:** import sold by PC Electronics as model 33/23FMR, freq. synthesized on 16 channels ( 5 on 33cm, 11 on 23cm bands), video only, no audio, +12Vdc, in all metal case (4 1/2" x 2 3/8" x 1") Price = \$35 (kh6htv)

**23cm DOWN CONVERTER:** North Country Radio model ATVDC1300, unassembled kit. Price = \$25 (kh6htv)

**23cm DOWN CONVERTER:** TD Systems (1995 vintage), VCO tunable, receives DC power & VCO tuning via output coax cable. includes 120Vac power supply with tuning control. tested by kh6htv. in working condition. RF BW (1247-1283MHz), IF BW (30-100MHz), VCO (1163-1256MHz), Conversion Gain = +2dB, connectors RF in = N, IF out = F. Price = \$25 (k0rz)

**CATV RECEIVER:** Holland model HDM Television Demodulator, used in cable TV head-ends, synthesized covers cable channels 2 - 83, 120Vac, 19" rack mount (17"x3"x1 3/4") Price = \$50 (kh6htv)

**2.4GHz FM-TV RECEIVER:** Wavecom by RF-Link, model RX999, 4 channel synthesized, modified to have SMA antenna connector, RCA A/V connectors, +12Vdc, Price = \$15 (k0rz)

**2.4GHz FM-TV RECEIVER:** AID (Audio Intelligence Devices) model RX-3000, tunable, synthesized. Police Band only (2450-2483MHz in 1MHz steps), Audio SSC tunable (5.0-7.5MHz in 0.1MHz steps). all metal enclosure (8 1/2"x 3 1/2"x 9 1/2"). 12Vdc, includes 12V-2.5A wall-wart supply. Turns on and display works. Unable to functional test. Price = \$50 (kh6htv)

**70cm YAGGI ANTENNA:** KLM, 10 element, wide-band, 5 1/2 ft. boom, N connector. missing U-bolt mounting hardware. Price = \$50 (kh6htv) Note: local sale with pick-up only. Will not ship

**VIDEO ID GENERATOR:** Elktronsics model VDG-1, no longer built, but custom programmed EPROMS with 4 ID screens are still available from [www.elktronsics.com](http://www.elktronsics.com) Price = \$20 (kh6htv)

**MORSE CODE ID GENERATOR:** Circuit Board Specialists user programable with diode matrix. Price = \$5 (kh6htv)

**TV ANTENNA SWITCH / AMPLIFIER:** Radio Shack model 15-2100, RS calls it an "Amplified Video Selector" (5) rf inputs and (3) rf outputs. Each rf output has front panel push button switches to select any one of the rf inputs. All F connectors. 120Vac power, NEW condition, in original packing and carton. Swept frequency tested by

kh6htv. Insertion Gain = +3dB nominal with + - 3dB ripple from 4 MHz to 850 MHz  
Price = \$25 (k0rz)

**USB TV TUNER DONGLES:** several available at \$5 each (kh6htv)

**CH-3 BAND-PASS FILTER:** Industrial Communication Engineers model 434, 3" x 2" x 1", F connectors, (2) available, gaussian response, Swept freq. tested by kh6htv: unit #1 IL = 3.5dB, -3dB BW @ 58.3 & 65.5MHz, -20dB @ 52.2 & 77.2MHz unit #2 IL = 4dB, -3dB BW @ 59.5 & 70.7MHz, -20dB @ 50.8 & 83.2MHz Price = \$5 (k0rz)

## **FREE ITEMS (shipping not included):**

**CATV NOTCH FILTERS:** F connectors, rugged construction. (3) available freqs are: 121MHz, 126.5MHz, & 133MHz plus kit from Rainbow Kits, for channels 2 - 22, pc board, F connectors & misc. parts, Price = FREE (k0rz)

**Boonton model 77B CAPACITANCE BRIDGE:** turns on, unknown condition. Price = FREE

**General Microwave Model 476 RF POWER METER:** includes model 4240A, 18GHz, N Power Head. needs repair. Price = FREE

**TV Hi-Def CAMCORDER:** SONY model HDR0HC3, 1080i, mini-DV cassette, 5.1 - 50mm F 1:1.8 zoom lens, accessories include: 2 batteries, 120Vac battery charger / power supply, special A/V breakout to RCA cable. Camera does not work. Needs repair. Price = FREE (kh6htv)

**TV Hi-Def CAMCORDER:** SONY model HDR-XR150, i1080P, internal hard-disc memory, 25X zoom, 2.5 - 62.5mm, F 1.8 zoom lens, accessories include: 2 batteries, 120Vac battery charger / power supply, special A/V breakout cables to composite, S, & component, HDMI cable. Camera does not work. Needs repair. Price = FREE (kh6htv)

**TV CAMCORDER:** CANON model E51, 8mm cassette, 8X zoom, 8.5-68mm, F 1:1.4 zoom lens, accessories include: 5 batteries, 120Vac battery charger / power supply, 12Vdc to 6Vdc battery charger / power supply, manual. Camera does not work. Needs repair. Price = FREE (kh6htv)

