

KH6HTV VIDEO -- PRICE LIST

Rev. August 2019

web site = www.kh6htv.com e-mail = kh6htv@arri.net

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	\$350	Linear Amplifier	55 dB gain, 20 W(sat), 10W(VUSB-TV),3W(DTV)
70-9B	\$450	Linear Amplifier	53 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	\$400	Linear Amplifier	53 dB gain, 40W(sat), 15W(VUSB-TV), 6W(DTV)
UHF-DPX	\$400	Duplexer	10 MHz bandwidths - specify center frequencies
ATV-BPF-XXX	\$400	Band-Pass Filter NEW	Band-Pass Filter, 6.5 MHz bandwidth, specify XXX as desired center frequency in MHz
DTV-RPTR-70cm	\$2,650	TV Repeater NEW	70cm In-Band, 8 Watt, basic DVB-T Repeater various extra cost options available

33 cm (902-928 MHz) Products

Model #	Price	Category	Details
33-1A	\$380	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, (14dB optional, no charge)

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 (14dB optional, no charge)
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	47dB gain, 40W(sat), 10W(VUSB-TV), 3W(DTV)
DTV-RPTR 23cm->70cm	\$2,275	TV Repeater NEW	23cm input to 70cm output, 8 Watt, basic DVB-T Repeater - various extra cost options available
DTV-RPTR 70cm->23cm	\$2,200	TV Repeater NEW	70cm input to 23cm output, 3 Watt, basic DVB-T Repeater - various extra cost options available

* for TV repeaters, contact kh6htv to discuss specific details & requirements.

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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

Ultra Wide-Band (kHz to GHz) Amplifiers

(note: can be modified for higher low frequency cutoff, no extra charge)

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

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SALE of SURPLUS ITEMS:

Spectrum International, Inter-Digital Band-Pass, 70cm, TV Channel Filters \$200 ea.
 two filters immediately available. Ch 57 (420-426MHz) & Ch 60 (438-444MHz).
 Other channels/frequency might also be available from Boulder stock. 5 pole, BNC,
 rugged construction. Used -- pulled from Boulder ATV repeater. Good condition. The
 pair can be used to build an in-band, 70cm ATV repeater. For details, see AN-22b, pp. 2-
 4. Can be retuned over limited range as desired. Contact kh6htv@arrl.net for more
 info.

PICOSECOND PULSE LABS --- PULSE GENERATORS:

(These are extremely Rare and no longer commercially available.)

(PSPL was purchased by Tek in 2014 and Tek has since discontinued the entire line of PSPL products.)

PSPL Model 4015C, 15 ps Pulse Generator **\$15,000**

This generator includes the small 15 ps Remote Pulse Head, model 4015RPH. Caution:
 most used 4015s offered on the used equipment market do not include this critical part. It
 usually is lost. Without this Pulse Head, it is impossible to generate the 15 ps pulse.

The generator puts out a -9 V, 15 ps falltime step pulse. Using the accessory model 5208
 Impulse Forming Network, a -3 V, 22 ps wide impulse can be generated. 500 kHz max.
 rep. rate. Internal or external triggering. < 1 ps rms jitter. includes manual. s/n 211,
 "clean" option. pulse head, s/n 232. Model 5208 IFN also available for sale, s/n 1,
\$3,000 Purchase orders from govt. or commercial firms accepted. For more details and
 copy of the spec. sheet, contact kh6htv@arrl.net

PSPL Model 4050B, 45 ps Pulse Generator **\$5,000**

This generator includes the small 45 ps Remote Pulse Head, model 4050RPH. Caution:
 most used 4050s offered on the used equipment market do not include this critical part. It
 usually is lost. Without this Pulse Head, it is impossible to generate the 45 ps pulse.

The generator puts out a +10 V, 45ps risetime step pulse. Using the accessory model 5210 Impulse Forming Network, a +2.5 V, 50 ps wide impulse can be generated. 1 MHz max. rep. rate. Internal or external triggering. 1.5 ps rms jitter. includes manual, s/n 8, pulse head, s/n 14. Model 5210 IFN also available for sale, **\$1,500** Purchase orders from govt. or commercial firms accepted. For more details and copy of the spec. sheet, contact kh6htv@arri.net

PSPL Model 2000, 50V, 300 ps Pulse Generator **\$500**

50 Volt into 50 Ω (1 Amp), 300 ps risetime step function generator. 20 ns pulse duration. 100 kHz max. rep. rate. Internal or external triggering, no manual option -02, s/n 31. Purchase orders from govt. or commercial firms accepted. For more details and copy of the spec. sheet, contact kh6htv@arri.net

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HEWLETT - PACKARD, Tektronix & Polarad Surplus Test Equipment: (prices do not include shipping)

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)

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

HP 12 GHz 140 series Sampling Oscilloscope: Price = \$400 includes the following items: HP model 140A oscilloscope main frame (works); HP model 1411A sampling vertical amplifier plug-in (works); HP model 1424A sampling horizontal time base plug-in (horiz. output does not work); HP 1430A, 12GHz, dual channel sampling head (works) (includes two APC-7, 50 ohm terminations & umbilical cord)

HP 4 & 12 GHz 180 series Sampling Oscilloscope: Price = \$200 includes the following items: HP 180A oscilloscope main frame (works); HP 1811A sampling vertical amplifier and time base plug-in (needs repair); HP 1430A, 12GHz, dual channel sampling head (includes two APC-7 50 ohm terminations & umbilical cord) (Ch B is OK, Ch A is noisy); HP 1816A, 4GHz TDR sampling head (includes umbilical cord) (condition unknown)

HP model 616 Microwave Signal Generator: 1.9 - 4.2 GHz Price = \$50 note: will not ship, local pick-up only

HP model 618 Microwave Signal Generator: 3.8 - 7.6 GHz Price = \$50 note: will not ship, local pick-up only

TEKTRONIX 4.5 GHz Sampling Oscilloscope: Price = \$200 includes the following items: Tek S-2, 75ps Sampling Head (works); Tek 3S2 sampling amplifier vertical plug-in (works); Tek 3T2 Random Sampling horizontal time base plug-in (works); Tek 3T77A sampling horizontal time base plug-in (trigger issues); NBS experimental - Random Sampling horizontal time base plug-in (works); & Tek 561A oscilloscope main frame (horiz deflection needs repair)

POLARAD model 1105E Microwave Signal Generator: 0.8 - 2.4 GHz Price = \$100 note: will not ship, local pick-up only