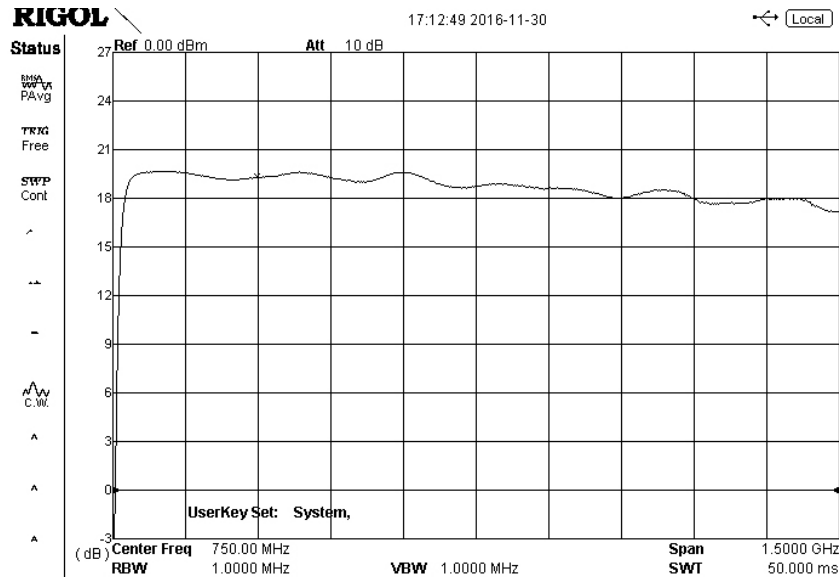




Model 70-4C
0.05 - 2 GHz
19 dB Gain, +20 dBm
LINEAR AMPLIFIER

The KH6HTV-Video Model 70-4C, Linear Amplifier features 19 dB gain, +20 dBm max. output power and 4 dB noise figure. The 70-4C is a good general purpose, broadband amplifier for lab use up to 2 GHz or as a driver amplifier for higher power linear amplifiers for all amateur radio bands from 6 meters to beyond 23cm.



PARAMETER	Typical Performance	Notes
Amplifier Gain, S21	19 dB, nominal	
Frequency Range	35 MHz to >1.5 GHz	-3dB roll-off
Max. Output Power	125 mW (+21 dBm)	saturated
Pout (-1dB)	100 mW (+20 dB)	-1dB gain compression
Max Output Power (analog TV)	50 mW pep (+17 dBm)	peak power on sync tips
Max. Output Power (DTV)	25 mW avg (+14 dBm) 13 mW avg (+11 dBm)	-30dB spectrum shoulders -40dB spectrum shoulders
Max. Input Power	50 mW, +17 dBm	
Noise Figure	< 4.5 dB, typical	
DC Supply Voltage	12 Vdc @ 90mA	11 - 15 Vdc, 100% duty cycle
RF Connectors	SMA (f)	
DC Power connector	feed-thru capacitor	
Dimensions	1.5" x 3.6" x 1.25" (w x h x d)	

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