

Bill of materials [PREVIEW]

TUBE MIDRANGE EQUALIZER

rainton's PultecMEQ-5 Parts List rev.1.01

updated 02-22-2017

Resistors		
1 620r	Input	
1 200k/1W	Amp	
1 220K	Amp	
1 22K	Amp	
4 330K	1x Amp, 3x Filter Bypass	
1 1.8K	Amp	
1 150R	Amp	
1 20K / 5W	Amp (there's a revision of the schematic that shows 18K /5W, that schematic shows another 1K resistor between the 22K resistor and pin 5 of the 6AQ5, both versions work)	
1 1K (optional - see instructions ->)		
1 470r/2W	Power Supply	
2 1k/1W	Power Supply	
1 100k/1W	Power Supply (some schematics show 3x 1k/1W instead of 2x1K/1W + 1x 100k/1W)	
1 47k	Power Supply	
1 270R	Filter	
1 510R	Filter	
1 1k	Filter	
1 5.1K	Filter out to GND	
Capacitors		
1 0.001uF	Filter High Boost	
1 0.002uF	Filter High Boost	
1 0.0039uF	Filter High Boost	
1 0.0082uF	Filter High Boost	
1 0.016uF	Filter High Boost	
1 0.015uF	Filter Mid Dip	
1 0.016uF	Filter Mid Dip	
1 0.03uF	Filter Mid Dip	
1 0.068uF	Filter Mid Dip	
1 0.17uF	Filter Mid Dip	
1 0.22uF	Filter Mid Dip	
1 0.33uF	Filter Mid Dip	
1 0.68uF	Filter Mid Dip	
1 1.0uF	Filter Mid Dip	
1 1.5uF	Filter Mid Dip	
1 0.15uF	Filter Low Boost	
1 0.2uF	Filter Low Boost	
1 0.47uF	Filter Low Boost	
1 1.0uF	Filter Low Boost	
1 0.00001uF (10pF)	Amp - original uses ceramic cap	
1 0.047uF	Amp - original uses film cap	
1 2.0uF	Amp - use a good film or PIO cap here	
1 .33uF/200V or 400V (actual voltage here = 115V)	Power Supply	
2 4x20uF / 475V Can Capacitor (original)	either or!! i.e. CE-Manufacturing C-EC20X4-475 i.e. CE-Manufacturing C-EC40X4-450	
1 4x40uF / 450V (or 525V) Can Capacitor		

All filter caps in the original are rated 200V, original uses mostly Aerovox film caps - good place to experiment with different caps (polypropylene, polystyrene, polyester, paper in oil...)

for the rest of the circuit - if not specified in the BOM please refer to the schematics. In most cases 400V should be sufficient

Switches, Pots, etc.

1 Potentiometer Low Boost	2.5k Linear
1 Potentiometer Mid Dip	2.5k rev Log
1 Potentiometer High Boost	10K Linear
1 Rotary switch 3PDT (i.e. DPDT)	On/Off (50° turn) (original by ARROW-HUB)
1 Switch SPST	Bypass (original by APST, switchcraft will not fit - use)
1 Switch 3x1 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 2x2 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 3x3 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 4x4 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 5x5 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 6x6 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 7x7 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 8x8 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 9x9 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 10x10 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 11x11 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 12x12 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 13x13 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 14x14 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 15x15 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 16x16 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 17x17 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 18x18 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 19x19 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 20x20 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 21x21 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 22x22 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 23x23 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 24x24 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 25x25 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 26x26 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 27x27 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 28x28 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 29x29 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 30x30 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 31x31 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 32x32 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 33x33 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 34x34 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 35x35 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 36x36 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 37x37 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 38x38 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 39x39 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)
1 40x40 way (reciprocity)	ceramic rotary switch (original - not standard X-1000)

all original pots by Allen & Bradley or Ohmite - modern replacements by PEC (I don't like them though)

other brands would work too, but the lag curves might vary a little bit..