

BOM monotropa v7.4**Reverselandfill 2025****Resistors**

r5, r6, r7, r14, r15, r21, r23	1k8	7		
r9, r11, r12, r13, r16, r18, r24	10k	7		
r19, r20	1k	3		
r4	470r	1		
r31	100k	1		

Band combinations

<i>band1</i>				
r10	130k	1		
c1a	1uf	1	5mm film	1K63
c1b	270nF	1	5mm film	
c1c	22nF	1	5mm film	223
<i>band2</i>				
r8	110k	1		
c2a	470nF	1	5mm film	
c2b	33nF	1	5mm film	
c2c	10nF	1	5mm film	
<i>band3</i>				
r17	91k	1		
c3a	100nF	1	5mm film	.1J63
c3b	100nF	1	5mm film	.1J63
c3c	4.7nf	1	5mm film	
<i>band4</i>				
r22	82k	1		
c4a	47nF	1	5mm film	
c4b	33nF	1	5mm film	
c4c	2.2nF	1	5mm film	
<i>band5</i>				
r2	68k	1		
c5a	33nF	1	5mm film	
c5c	1nF	1	5mm film	
<i>band6</i>				
r3	62k	1		
c6a	10nF	1	5mm film	
c6b	2.2nF	1	5mm film	
c6c	470pF	1	5mm film	471
<i>band7</i>				
r1	51k	1		
c7a	4.7nf	1	5mm film	
c7c	220pF	1	5mm film	221

Diodes

d1, d2	1n4001	2	
d3	1n4148	1	

Capacitors

c2, c4	10uF	2	electrolythic
c1, c5	1uf	3	electrolythic
c3, c6, c7, c8, c9, c10	100nF	6	2.5mm

104

LPG1

LPG1	2.2nF	1	5mm
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IC

u1, u2, u3	14pin socket	3	
u1, u2, u3	TL074	3	alt: TL084, TL064

LDR+LED (use a shrinktube)

LDR+LED (use a shrinktube)	DIY vactrol	1	
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Trimpot (for feedback gain)

Trimpot (for feedback gain)	10k	1	box
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Power

10 pin connector	shrouded	1	
power cable	10pin to 16pin	1	

Place the panel on the PCB before soldering the pots and jacks

Pots

Pots	b10k vert	9	vertical 9mm
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Jacks

Jacks	thonkiconn	5	vertical
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Knobs

9

Frequency bands: (you can use parts that are near these values)

63Hz	1270nF, 22nF, 130k
160Hz	503nF, 10nF, 110k
410Hz	200nF, 4.7nF, 91k
1KHz	80nF, 2.2nF, 82k
2.5KHz	33nF, 1nF, 68k
7.7KHz	12.2nF, 470pF, 62k
16KHz	4.7nF, 220pF, 51k

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credits: part of the EQ was inspired by the Musicthingmodular Graphic EQ / Boss GE7

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