

Resonant Lopass Gate Parts List

Revision 3.0 as released by djthomaswhite (www.naturalrhythmmusic.com/diy.html)

Resistors (1% Metal Film)		Mouser Part #	QTY
22R*	R1, R2 (Option: Can use Ferrite Beads instead)	271-22-RC	2
470R	R6	271-470-RC	1
1K	R15, R26, R32, R34**	271-1K-RC	3
10K	R8, R14, R16	271-10K-RC	3
15K	R11, R12	271-15K-RC	2
33K	R7	271-33K-RC	1
47K*	R19 (Optional, for use with Deep Switch Mod)	271-47K-RC	1
50K"	R18 (Optional, for use with Resonance Mod)	271-49.9K-RC	1
100K	R5, R9, R10, R17, R20, R21, R22, R23, R24, R25, R27, R28, R29, R30, R31, R33	271-100K-RC	16
150K	R3	271-150K-RC	1
470K	R4	271-470K-RC	1
4.7M (5% Carbon OK)	R13	291-4.7M-RC	1
Capacitors			
33pF	C10	581-SR151A330JAR	1
220pF	C7	581-SR211A221JAR	1
1n	C9	505-FKS21000/100/10	1
2n	C5	539-168222K100A-F	1
4.7n	C8	505-MKP24700/630/5	1
100n	C1, C2	581-BQ074G0104J	2
1uF	C6	581-BQ074D0105J	1
10uF Electro	C3, C4	140-XRL50V10-RC	2
Miscellaneous			
VTL5C3 Vactrol (Fast) or VTL5C4 Vactrol (Slow)	V1, V2 (User Choice, or mod it!) <i>Allied Elec</i>	Allied #980-0710 Allied #980-0716	2
Zener 3.9V (0.5W)	D1	512-BZX85C3V9	1
20K Vertical Trimpot	TP1	652-3299W-1-203LF	1
10K Linear Pot	P1 - Offset	313-1510F-10K	1
50K Linear Pot	P2 - Resonance	313-1510F-50K	1
4P/3Pos Rotary Switch or 3PDT Toggle Switch	Mode	105-SR2611F-43-21RS 108-0006-EVX	1 1
SPST Switch*	Deep Switch (Optional)	108-1MS1T6B1M1QE-EVX	1
Inputs, Outputs, CV In	Jacks, User Choice	502-112AX	4
MTA-156 or MTA-100	Power Connector (MTA-156 Part # Shown)	571-6404454	1
100K Linear Pots*	If using level control on inputs (Optional) <i>Spectrol</i> <i>Alpha</i>	594-248-7104 313-1500F-100K	4
Machined 14-Pin IC Sockets	For U1 and U2	535-14-3518-10	2
Ferrite Beads	Option to replace R1, R2		
Resistor Clippings	Jumpers	n/a	
Intergrated Circuits			
TL084 Quad Op Amp	U1	595-TL084ACN	1
TL074 Quad Op Amp	U2	595-TL074ACN	1