

Voltage Controlled Resonant Gate
REVISED BOM

Resistors				
4M7	1			
470K	2			
220K	1			
100K	9			
68K	1			
51K	3			
33K	1	use 24K for slow gate		
10K	3			
8K2	1			
1K5	1			
1K0	1			
470R	1			
330R 1/2 Watt	1			
330R	1			
BEAD OR 10R	2			
Capacitors				
1ufd Poly MKT	1	495-1118-ND	Digi-Key	
4n7 Poly MKT	1	399-5905-ND	Digi-Key	
2n2 Poly MKT	2	495-2486-ND	Digi-Key	
1n Poly MKT	1	495-2456-1-ND	Digi-Key	
47ufd electrolytic 35V	3	P5550-ND	Digi-Key	
100n ceramic bypass	8			
Zener Diodes				
5.6v zener	2			
5.1v zener	1			
3.9v zener	1			
Op Amps				
TL072	3			
OPA2134 or MC33178PG	1			
Trimmers				
20K multi-turn	1	T93YA-20K-ND	Digi-Key	
5K multi-turn	1	T93YA-2.0K-ND	Digi-Key	
Potentiometers				
50K Linear	4			
Vactrol				
VTL5C3/2	1	Use VTL5C4/2 for a slow response gate		
VTL5C3	1	remains the same for a fast or slow response gate		
Power Connector				
4 pin .156" in line	1			