

L-1 SYNTHESIZER

TUBE VCA 1K245 – Parts list.

Items marked green are already installed or are included

Qty	Value	Package	Comments	Parts	Farnell code
Tubes					
1	1K245			V1	
IC's					
1	TL072	DIL08		IC2	1106015
1	OPA2604	DIL08	TL072 for low buget	IC1	1097431 1106015
Diodes					
2	1N4004	Through-hole	or 1N4007	D11, D12	1843708
1	LED 3mm	Red or orange	Tube lighting	LED1	
Capacitors					
1	22p	1206	Ceramic	C1	1800833
5	0.1uF	1206	Ceramic	C8, C11, C12, C13, C14	1759361
1	0.047uF	5mm	film	C5	
1	0.47uF	5mm	film	C2	1166041
3	47uF	2.5mm	electrolyth	C3, C9, C10	9451404
Resistors					
2	ferrite bead	through-hole		B1, B2	1781253
1	330	1206		R10	2078998
1	1K	1206		R21	2079001
2	1K5	1206		R5, R11	
1	2K	1206		R4	
1	10K	1206		R8	2079007
3	20K	1206		R1, R2, R6	1469993
1	30K	1206		R3	
1	62K	1206		R24	
2	100K	1206		R7, R13	2079015
1	105K	1206		R17	
2	220K	1206		R15, R18	2079017
1	240K	1206		R12	
1	430K	1206		R14	
1	2M	1206		R22	
Trimpots					
1	100K		CV offset	T3	9353194
Potentiometers					
1	50K_lin	9mm PC mount		CV1_LEVEL	Thonk VERTICAL: B50K Smallbear 1012A Tayda A-1858
3	50K_log	9mm		IN1_LEVEL IN2_LEVEL GAIN	Thonk VERTICAL: A50K Smallbear 1012A Tayda A-1660
Switches					
1	POS/NEG	SPDT on-on	Sub-miniature	S1	9473041 Smallbear 0222
Other					
1	Euro power connector			SV1	1928436
4	Jack 3,5mm	PC-mount	Erthenvar or Kobiconn	IN1, IN2, CV1, OUT	Mouser Kobiconn 16PJ138 Thonk Thonkiconn
4	Spacer 12mm				1466845
4	Knobs		Synth pointer #2		Tayda KN1360 Thonk KNOB_SynthTech Smallbear 0808D

