

The Oakley Modular
ADSR-VCA

CAPACITORS	QTY	X	X	Designators
100pF 5% Ceramic, NPO	1			C9
470pF 5% Ceramic, Medium K	1			C5
1nF 50V Polyester	3			C12, C13, C14
100nF 50V Ceramic NPO Axial	10			C1, C2, C3, C4, C6, C7, C8, C10, C17, C16
220nF 50V Polyester	1			C11
1000nF 50V Polyester	1			C15
2u2 25V Electrolytic	2			C18, C19
RESISTORS	QTY	X	X	Designators
100R 0.5W 1% Metal Film	2			R26, R36
820R 0.5W 1% Metal Film	1			R5
1K 0.5W 1% Metal Film	2			R17, R42
2K2 0.5W 1% Metal Film	3			R4, R27, R31
4K7 0.5W 1% Metal Film	3			R8, R39, R40
5K1 0.5W 1% Metal Film	4			R6, R34, R44, R48
10K 0.5W 1% Metal Film	5			R1, R10, R11, R29, R43
12K 0.5W 1% Metal Film	5			R3, R7, R33, R35, R45
22K 0.5W 1% Metal Film	2			R23, R30
33K 0.5W 1% Metal Film	1			R21
47K 0.5W 1% Metal Film	7			R2, R12, R13, R14, R18, R19, R46
62K 0.5W 1% Metal Film	1			R22
100K 0.5W 1% Metal Film	6			R20, R24, R25, R28, R41, R47
390K 0.5W 1% Metal Film	2			R15, R16
1M 0.5W 1% Metal Film	2			R37, R38
3M3 0.5W 1% Metal Film	2			R9, R32
10K Horizontal Trimpot - PT10V	1			GAIN
100K Horizontal Trimpot - PT10V	1			OFF
10K LIN (Vishay 248)	1			SUSTAIN
50K LIN (Vishay 248)	3			ATTACK, DECAY, RELEASE
SEMICONDUCTORS	QTY	X	X	Designators
BZX79-C8V2 5% 500mW Zener	1			D1
1N4148 Signal Diode	5			D2, D3, D4, D5, D6
LM13700 Dual OTA	1			U7
CD4052 - Dual 4-channel Multiplexer	1			U2
THAT2180C - Audio VCA	1			U8
CD4001 - Quad 2-input NOR Gate	1			U1
BC550 NPN Transistor	3			Q1, Q2, Q3
BC560 PNP Transistor	1			Q4
5mm Red/Green Bi-LED	1			LED
TL072 Dual JFET Opamp	4			U3, U4, U5, U6
Single bead inductor	2			L1, L2
HARDWARE	QTY	X	X	Designators
Crimp to suit 0.156" MTA-xx Series	4			PWR
4-way 0.156" Housing	1			PWR
4-way 0.156" Straight, Locking Header	1			PWR
Jumper Shunt	4			A-D, S-R
4-way Straight, Locking Header	2			A-D, S-R
5mm Clear Lens Mount	1			LED
6.35mm Mono Switched Socket, SwitchCraft 112A	4			IN, OUT, GATE, INV
27mm MOTM/Moog Style Knob	4			ATTACK, DECAY, SUSTAIN, RELEASE
14-pin IC Socket 0.3"	1			U1
16-pin IC Socket 0.3"	2			U2, U7
8-pin IC Socket 0.3"	4			U3, U4, U5, U6
8-pin SIL IC Socket Strip	1			U8