

VK5TM Noise Canceller Parts List (April 2017)

Component	QTY	Description
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Capacitors

C1,C6,C7,C9,C13,C15,C16	7	10n ceramic
C2,C3,C4,C14	4	1n ceramic
C5,C8	2	47p ceramic
C10	1	100n ceramic
C11	1	100μ 25v electrolytic
C12	1	220μ 25v electrolytic

Resistors

All resistors 1/4W except R1 - 1W

R1	1	120R 1W
R2	1	51R
R3,R6	2	1M
R4,R5	2	22R
R7	1	150R
R8	1	1k5
R9	1	1k2
R10	1	22k

Choke

L1	1	1mH miniature choke
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Diodes

D1,D2,D3,D4,D5,D6,D7,D8,D12	9	1N4148
D9,D10	2	1N4007
D11	1	BAT85, 1N5819 or similar low forward voltage drop diode
D13	1	LED Red
D14	1	LED Green

Transistor/FET

Q1,Q2	2	MMBFJ310LT3G (J310 smd JFET)
Q3	1	BC 337

Relays

Rel1,2

- 2 DPDT 6V 3A relay RS part# 718-1698
Manufacturer TE Connectivity Part
No.V23105A5302A201

Toroid

T1

- 1 FT50-43 Toroid

Wire

- 1 500mm x 0.4mm ecw

Potentiometer

VR1,VR2,VR3

- 3 5k Lin 16mm

PCB

- 1 NC01a double-sided pcb - available from
www.vk5tm.com