

VK5TM Noise Canceller Parts List

Updated January 2021 - minor layout revision
See www.vk5tm.com for construction details

Component	QTY	Description
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	100uF 25v electrolytic
C12	1	220uF 16v electrolytic
Resistors		
All resistors 1/4W except R1 - 1W		
R1	1	120R 1W
R2	1	51R (0.6W supplied in kit)
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
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
D13	1	LED Red (3mm supplied in kit)
D14	1	LED Green (3mm supplied in kit)
Transistor/FET		
Q1,Q2	2	MMBFJ310LT3G (J310 smd JFET)
Q3	1	BC 337
Toroid		
T1	1	FT50-43 Toroid
Wire		
	1	500mm x 0.5mm ecw
	1	150mm Tinned copper wire (For earthing Pots)
Relays		
Rel1,2	2	DPDT 6V 3A relay Manufacturer TE Connectivity Part No.V23105A5302A201
Potentiometer		
VR1,VR2,VR3	3	5k Lin 16mm
PCB		
	1	NC01a double-sided pcb