



EF440 (DOD Envelope Filter 440™ Replica) Bill of Materials




















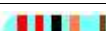

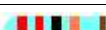








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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	10k	 brown-black-orange	 brown-black-black-red
R2	100k	 brown-black-yellow	 brown-black-black-orange
R3	100k	 brown-black-yellow	 brown-black-black-orange
R4	10k	 brown-black-orange	 brown-black-black-red
R5	2M2 (2.2 M)	 red-red-green	 red-red-black-yellow
R6	2k2 (2.2k)	 red-red-red	 red-red-black-brown
R7	22k	 red-red-orange	 red-red-black-red
R8	22k	 red-red-orange	 red-red-black-red
R9	220k	 red-red-yellow	 red-red-black-orange
R10	220k	 red-red-yellow	 red-red-black-orange
R11	220k	 red-red-yellow	 red-red-black-orange
R12	430k	 yellow-orange-yellow	 yellow-orange-black-orange
R13	100k	 brown-black-yellow	 brown-black-black-orange
R14	22k	 red-red-orange	 red-red-black-red
R17	1k	 brown-black-red	 brown-black-black-brown





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R18	1M5 (1.5M)		
		brown-green-green	brown-green-black-yellow

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.01uF	Film	103
C2	0.1uF	Film	104
C3	4.7uF	Aluminum Electrolytic	4.7uF
C4	1uF	Film or Aluminum Electrolytic	1uF
C5	10uF	Aluminum Electrolytic	10uF
C6	0.022uF	Film	223
C7	0.022uF	Film	223
C8	0.047uF	Film	473

Potentiometers:

Part ID	Value	Type
R7 - Level Control	100k	Log Taper
R8 - Fuzz Control	100k	Log Taper

Other:

Part ID	Part Name
IC1	TL022 or other dual opamp
D1	1N914 or 1N4148
D2	1N914 or 1N4148
OC1	VTL5C4/2 Vactrols LED/LDR unit
J1	Stereo quarter-inch jack
J2	Mono quarter-inch jack
J3	DC Jack
B1	9 volt battery (not included in the Kit)
Sw1	Heavy Duty 3PDT foot switch



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	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs, LED, LED clip or bezel
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