



Krampus Bass OverDrive (Based on the ITS8 PCB)

Design by J. Michael

Bill of Materials

Version 2014July11

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Resistors:

Resistor ID	Value	3-band Marking	4-band Marking
R1	1k	 brown-black-red	 brown-black-black-brown
R2	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R3	10k	 brown-black-orange	 brown-black-black-red
R4	None		
R5	10k	 brown-black-orange	 brown-black-black-red
R6	4k7 (4.7k)	 yellow-violet-red	 yellow-violet-black-brown
R7	47k	 yellow-violet-orange	 yellow-violet-black-red
R8	1k	 brown-black-red	 brown-black-black-brown
R9	10k	 brown-black-orange	 brown-black-black-red
R10	10k	 brown-black-orange	 brown-black-black-red
R11	220 ohm	 red-red-brown	 red-red-black-black
R12	470k	 yellow-violet-yellow	 yellow-violet-black-orange
R13	10k	 brown-black-orange	 brown-black-black-red
R14	10k	 brown-black-orange	 brown-black-black-red
R15	100 ohm	 brown-black-brown	 brown-black-black-black



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R16	10k	 brown-black-orange	 brown-black-black-red
R17	1k	 brown-black-red	 brown-black-black-brown
R18	1k	 brown-black-red	 brown-black-black-brown
R22	1M5 (1.5M)	 brown-green-green	 brown-green-black-yellow
R23	1k	 brown-black-red	 brown-black-black-brown

Capacitors:

Capacitor ID	Value	Type	Possible Marking
C1	0.022 μ F	Film	223
C2	1 μ F	Film	105
C3	0.47 μ F	Film	474
C4	100pF	Ceramic or Film	101
C5	0.1 μ F	Film	104
C6	none		
C7	47 μ F	Aluminum Electrolytic	47 μ F
C8	1 μ F	Film	105
C9	0.22 μ F	Film	224
C10	0.1 μ F	Film	104
C11	10 μ F	Aluminum Electrolytic	10 μ F
C12	100 μ F	Aluminum Electrolytic	100 μ F

Potentiometers:

Part ID	Value	Type
R19 - Drive Control	1M	Log (or Audio) Taper



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R20 - Tone Control	20k	EQ Taper (or substitute 25k linear)
R21 - Level Control	100k	Linear Taper

Other:

Part ID	Part Name
IC1	TL072
D1	2N5457 JFET
D2	1N4001
D5	1N914
Q1	2N5089
Q2	2N5089
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
	9v battery snap, Printed Circuit Board, 24 gauge stranded wire, Enclosure, Knobs

Examples of other NPN bipolar junction transistors:

- 2SC1815 (original) – Has a different Pin format than the PCB uses
- 2N3904
- 2N4401
- 2N5088
- MPSA18
- many others