

First Watt F4 Power Amplifier
Bill Of Materials
P-F4-1V20
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V1.0a 12/19/2011

diyAudio™

NOTE: Parts are specified for ONE CHANNEL ONLY, multiply by 2 for STEREO

Part	Description	Value	Rating	Alternate Value
Q1	N-Channel JFET Input	2SK170		2SK370
Q2	P-Channel JFET Input	2SJ74		2SJ108
Q3	N-Channel MOSFET Output	IRFP240		FQA19N20C
Q4	N-Channel MOSFET Output	IRFP240		FQA19N20C
Q5	N-Channel MOSFET Output	IRFP240		FQA19N20C
Q6	P-Channel MOSFET Output	IRFP9240		FQA12P20
Q7	P-Channel MOSFET Output	IRFP9240		FQA12P20
Q10	P-Channel MOSFET Output	IRFP9240		FQA12P20
Q11	3-Terminal Precision Shunt Regulator	TL431		
D1	6.8V Zener Diode	1N4736		
D2	6.8V Zener Diode	1N4736		
D3	Fast Switching Diode	1N4148		
D4	Fast Switching Diode	1N4148		
LED1	Light Emitting Diode			
R1	Resistor	1K	1/4W	
R2	Resistor	47.5K	1/4W	
R3	Resistor	22.1R	1/4W	
R4	Resistor	22.1R	1/4W	
R5	Resistor	1K	1/4W	
R6	Resistor	10k	1/4W	
R7	Resistor	10k	1/4W	
R8	Resistor	22.1K	1/4W	
R9	Resistor	10k	1/4W	
R10	Resistor	100R	1/4W	

Sheet1

R11	Resistor	100R	1/4W	
R12	Resistor	100R	1/4W	
R13	Resistor	100R	1/4W	
R14	Resistor	100R	1/4W	
R15	Resistor	100R	1/4W	
R16	Resistor	0.47R	3W	
R17	Resistor	0.47R	3W	
R18	Resistor	0.47R	3W	
R19	Resistor	0.47R	3W	
R20	Resistor	0.47R	3W	
R21	Resistor	0.47R	3W	
R22	Resistor	750R	1/4W	
R23	Resistor	10k	1/4W	
R24	Resistor	1K	1/4W	
R25	Resistor	1K	1/4W	
P1	Variable Resistor	5K		
P2	Variable Resistor	500R		