

**First Watt F5c Power Amplifier**  
**Bill Of Materials**  
**P-F5C-1V20**  
**Compiled By: JojoD818**  
**V1.0b 07/30/2012**

**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		
Q2	P-Channel JFET Input	2SJ74		
Q3	P-Channel MOSFET Output	IRFP9240		FQA12P20
Q4	N-Channel MOSFET Output	IRFP240		FQA19N20C
Q5	PNP Transistor	ZTX550		BC556/BC557/BC560
Q6	NPN Transistor	ZTX450		BC546/BC547/BC550
Q101	NPN Transistor	BC550		
Q102	PNP Transistor	BC560		
Q103	P-Channel MOSFET Output	IRFP9240		FQA12P20
Q104	N-Channel MOSFET Output	IRFP240		FQA19N20C

LED1	Light Emmiting Diode			
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C101	Electrolytic Capacitor	220uf/25V		
C102	Electrolytic Capacitor	220uf/25V		

R1	Resistor	10R	1W	
R2	Resistor	10R	1W	
R3	Resistor	2.2K	1/4W	
R4	Resistor	2.2K	1/4W	
R5	Power Resistor	100R	3W	
R6	Power Resistor	100R	3W	
R7	Power Resistor	100R	3W	
R8	Power Resistor	100R	3W	
R9	Resistor	1K	1/4W	
R10	Resistor	100K	1/4W	
R11	Power Resistor	0.47R	3W	
R12	Power Resistor	0.47R	3W	
R13	Resistor	47R	1/4W	
R14	Resistor	47R	1/4W	
R15	Resistor	2.2K	1/4W	
R16	Resistor	2.2K	1/4W	
R17	Resistor	1K	1/4W	
R18	Resistor	1K	1/4W	
R19	Resistor	150R	1/4W	
R20	Resistor	150R	1/4W	
R21	Resistor	22K	1/4W	
R22	Resistor	22K	1/4W	
R35	Resistor	33K	1/4W	
R101	Resistor	4.7K	1/4W	Cascode Voltage Divider
R102	Resistor	4.7K	1/4W	Cascode Voltage Divider
R103	Resistor	4.7K	1/4W	Cascode Voltage Divider
R104	Resistor	4.7K	1/4W	Cascode Voltage Divider
R111	Power Resistor	0.47R	3W	
R112	Power Resistor	0.47R	3W	
R113	Resistor	47R	1/4W	
R114	Resistor	47R	1/4W	
R115	NA	NA	NA	
R116	NA	NA	NA	
R117	Resistor	1K	1/4W	
R118	Resistor	1K	1/4W	

P1	Variable Resistor	5K		
P2	Variable Resistor	5K		

TH1	NTC Thermistor	4.7K	NTC Type	Optional
TH2	NTC Thermistor	4.7K	NTC Type	Optional