

Design Kit  
Class D Audio Amplifier

Classification	Sub-Classification	Part Number	Manufacturer	SPEC	Code	Datasheet	Report	Model	Symbol
IC		IRS2092	International Rectifier			✓	✓	✓	✓
MOSFET		IRFIZ24N	International Rectifier		FET1,FET2	✓	✓	✓	✓
Diode		MUR120RLGOSTR-ND	On Semiconductor			✓	✓	✓	✓
Inductor		7G14N-220-RB	SAGAMI	22uH,5.2A	L1		✓	✓	✓
Capacitor	Aluminum Electrolytic Capacitors	EKMG500ELL100ME11D	Nippon Chemi-Con	10uF,50V	C1		✓	✓	✓
	Aluminum Electrolytic Capacitors	EKMG500ELL222MLP1S	Nippon Chemi-Con	2200uF,50V	C16,C18		✓	✓	✓
Capacitor	Film Capacitors	AMZ0050J102	NISSEI ELECTRIC	1nF	C4,C5,C6		✓	✓	✓
	Film Capacitors	MMC250K474	NISSEI ELECTRIC	0.47uF,250V	C12		✓	✓	✓
	Film Capacitors	MMC400K104	NISSEI ELECTRIC	0.1uF,400V	C13		✓	✓	✓
	Film Capacitors	MMH250K684	NISSEI ELECTRIC	0.68uF,250V	C14		✓	✓	✓
Capacitor	Ceramic Capacitors	RPER11H103K2K1A01B	MURATA	10nF,50V	C3		✓	✓	✓
	Ceramic Capacitors	RPER11H104K2K1A01B	MURATA	0.1uF,50V	C11,C15,C17		✓	✓	✓
Speaker		F120A	FOSTEX	8 ohm, ~20kHz	Speaker	✓	✓	✓	✓