

HiQSDR MPPA Medium Power Amplifier V2.1

Count	Name	Value / Wert	Case / Type	Part number	Supplier	Additional information
	Coils					
1	L5	10 μ H	1210 SMD High Current	706-2866	RS-Components	
4	L7, L8, L9, L10	100 nH	805 Ceramic Inductor WE	737-3302	RS-Components	
4	L1, L2, L3, L4	620 nH	805 Ceramic Inductor WE	737-3305	RS-Components	
1	L13	1 μ H	Ferrite Bead w. 1 mm Wire	Amidon	Amidon	
1	L11	BN43-202	BN43-202 Binocular Core	BN43-202	Amidon	Primary: 0.5mm CuL 1+1 Turns trifilar, Secondary: 0.8mm CuL 3 Turns
1	L6	BN43-202	BN43-202 Binocular Core	BN43-202	Amidon	Primary: 0.5mm CuL 2+2 Turns, Secondary: 0.5mm CuL 3 Turns
1	L12	23 μ H	FT37-43 Torroid Core	FT37-43	Amidon	9 Turns, 0.5 mm CuL over 270 deg., Length= 15 cm
	Capacitors					
2	C14, C30	10 nF / 100V	805	298-9309	RS-Components	
2	C17, C26	68 pF / 1000V	1206	391-129	RS-Components	
19	C1, C4, C5, C6, C7, C8, C9, C10, C13, C18, C19, C20, C21, C22, C23, C28, C31, C32, C34	100 nF / 100V	805	741-4642	RS-Components	
3	C16, C24, C25	100 nF / 50V	1206	391-214	RS-Components	
1	C2	1uF / 16V Ceramic	805	648-0957	RS-Components	
	Electrolytic Cap.					
2	C12, C15	47 μ F / 16V	FT SMT ELKO	747-2487	RS-Components	
3	C27, C29, C33	470 μ F / 16V	AL SMD ELKO	737-9707	RS-Components	
2	C3, C11	10 μ F / 16V	HA SMT ELKO	747-2796	RS-Components	
	Resistors					
1	R13	0E	805		RS-Components	
4	R20, R21, R22, R23	2R2	1206		RS-Components	
4	R9, R10, R18, R19	2K2	805		RS-Components	
2	R11, R12,	4R7	1206	721-8655	RS-Components	
4	R5, R6, R14, R15	10K	Trimmer CERMET		RS-Components	
3	R2, R16, R17	39R	805		RS-Components	
2	R24, R25	82R	1206		RS-Components	
2	R1, R3	150R	805		RS-Components	
2	R7, R8	270R	805		RS-Components	
1	R4	390R	805		RS-Components	
	Diodes					

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1	D1	MMSZ5228B	Zener Diode 3,9V 500mW	710-4275	RS-Components	
Diverse						
1	TR1	ADT9-1T	CD637- Minicircuits	Municom	Municom	
1	K4	K1X3	Precision Post 1 X 03 Pin		RS-Components	
1	K3	K1X6	Precision Post 1 X 06 Pin		RS-Components	
2	K1, K2	K1X7	Precision Post 1 X 07 Pin		RS-Components	
2	T1, T2	RD01MUS2	SOT89	RD01MUS2	Mitsubishi	
2	T3, T4	RD07MVS1B	LLC Flat Pack	RD07MVS1B	Mitsubishi	
1	IC1	UA78L08ACPKG3	SOT89	661-4605	RS-Components	
1	PCB	MPPA V2.1	PCB MPPA V2.1 Gold plated	PCB MPPA V2.1	Technologie 2000	
1	Heatspreader complete	MPPA V2.1	Heatspreader MPPA complete	Heatspreader MPPA	Technologie 2000	complete with foil