

# Bill Of Materials

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Design: POWER CURVE LINEARISATION & AUTOMATIC SWR  
 Doc. no.: AMATEUR RADIO  
 Revision: 2  
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 Modified: 02/04/2025

QTY	PART-REFS	VALUE	PACKAGE
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Resistors			
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6	R1,R2,R6,R7,R11,R12	1k	0.25 W
1	R3 (Only for debugging)	1k	0.25 W
2	R4,R8(FOR 10 kW)	820	0.25 W
2	R5,R10	330	0.25 W
1	R8 (FOR 20 kW)	4.7k	0.25 W
1	R9	10k	0.25 W
Capacitors			
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12	C1-C12	100nF	PITCH 2.54 mm
2	C13,C14	150nF	PITCH 2.54 or 5.08 mm
2	C13,C14	330nF	PITCH 2.54 or 5.08 mm
2	C13,C14	680nF	PITCH 2.54 or 5.08 mm
Integrated Circuits			
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1	U1 WITH SOCKET	PIC16F1847 OR 1827	DIL18
1	U2 WITHOUT HEATSINK	7805	TO220
2	U3,U4 WITH SOCKET	LM258 or LM358	DIL08
Transistors			
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1	Q1 (Only for Debugging)	BS170	TO92
Diodes			
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1	D1	1N4007	DO41
2	D2,D3	1N4148 or 1N914	DO35
Miscellaneous			
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2	DZ1,DZ2	Zener 5V6 0.5W	DO35
1	DZ3 (Only for Debugging)	Zener 15V 0.5W	DO35
5	Jx	SCREWED TERMINAL	2 POLES PITCH 5.08
2	J5,J6 (Only for Debugging)	EMBASSY MALE HE13	5 POLES PITCH 2.54
4	RV1-RV4	1M 25 TURNS	CERMET 3296W

Parts for debugging are not supplied !!!

Voltmeters (85C1 or 4 digits) not supplied !!!

