



## Parts List: HF50-Series 500 Watt Power Module

Reference	Value/ Description	Part Number	Vendor
C1	1000pf	140-100Z5-102Z-RC	<a href="#">Mouser</a>
C2	1000pf, 10V	140-TG102M1A-1017	<a href="#">Mouser</a>
C3	18pf	581-12065A180JAT2A	<a href="#">Mouser</a>
C4	1000pf	581-12065C102J	<a href="#">Mouser</a>
C5	3900pf	581-08055C392K	<a href="#">Mouser</a>
C6	3900pf	581-08055C392K	<a href="#">Mouser</a>
C7	0.1uf	581-1825AC104K	<a href="#">Mouser</a>
C8	0.1uf	581-1825AC104K	<a href="#">Mouser</a>
C9	82pf	581-12061A820J	<a href="#">Mouser</a>
C10	0.1uf	80-C322C104K1R5CA	<a href="#">Mouser</a>
C11	0.1uf	80-C322C104K1R5CA	<a href="#">Mouser</a>
C12	10uf, 63V	647-TVX1J100MAD	<a href="#">Mouser</a>
C13	1000pf	581-12065C102J	<a href="#">Mouser</a>
C14	1000pf	581-12065C102J	<a href="#">Mouser</a>
C15	100pf	581-12061A101J	<a href="#">Mouser</a>
D1	1N970B	512-1N970B	<a href="#">Mouser</a>
D2	1N4148	512-1N4148	<a href="#">Mouser</a>
D3	1N4004	512-1N4004	<a href="#">Mouser</a>
D4	1N4004	512-1N4004	<a href="#">Mouser</a>
L1	Ferrite Bead	875-28C0236-0BW-10	<a href="#">Mouser</a>
L2	Ferrite Bead	875-28C0236-0BW-10	<a href="#">Mouser</a>
L3	Ferrite Bead	56590 65/3B	<a href="#">Ferroxcube</a>
L4	Ferrite Bead	56590 65/3B	<a href="#">Ferroxcube</a>
P1	N conn RF in	PE4355	<a href="#">Pasternack</a>
P2	N conn RF out	PE4355	<a href="#">Pasternack</a>
Q1	TIP31A	511-TIP32A	<a href="#">Mouser</a>
Q2	Transistor, 220 Watt	HF50-220	<a href="#">Spectrum Devices</a>
Q3	Transistor, 220 Watt	HF50-220	<a href="#">Spectrum Devices</a>
R1	100, 5W	71-CP5-J-100	<a href="#">Mouser</a>
R2	1k, 0.5W	273-1K-RC	<a href="#">Mouser</a>
R3	20, 0.5W	660-CF1/2C200J	<a href="#">Mouser</a>
R4	1K, 0.25W	30BJ250-1.0K	<a href="#">Mouser</a>
R5	18K, 0.5W	273-18K-RC	<a href="#">Mouser</a>
R6	3.3K, .25W	291-3.3K-RC	<a href="#">Mouser</a>
R7	1K pot	652-3266W-1-102LF	<a href="#">Mouser</a>
R9	1 ohm, 15W	684-MP915-1	<a href="#">Mouser</a>
R10	1 ohm, 15W	684-MP915-1	<a href="#">Mouser</a>
R11	5 ohm, 15W	684-MP915-5	<a href="#">Mouser</a>
R12	5 ohm, 15W	684-MP915-5	<a href="#">Mouser</a>
T1	9:1 Transformer	RF600-9	<a href="#">Communications Concepts</a>
T2	9:1 Transformer	RF1000-9	<a href="#">Communications Concepts</a>
	Split Choke Bifilar		<a href="#">Fair Rite</a>
	Transformer, 6 turns,		
T3	1 turn for feedback	5943000601	
U1	KA723DTF	512-KA723DTF	<a href="#">Mouser</a>