

## Krell-Clone KSA-50 II

### Suggested Component List (Last updated 05.02.2005)

#### Main PCB (Amplifier Circuit)

Component	Description	Mfr./Type	Dimensions	Notes
R101	1K, 0.5W		Max 9.0 x 3.0 mm	1%
R102, R130, R131	22K, 0.5W		Max 9.0 x 3.0 mm	1%
R103, R107	47K, 0.5W		Max 9.0 x 3.0 mm	1%
R104, R106	4K7, 0.5W		Max 9.0 x 3.0 mm	1%
R108, R109, R112, R113, R116, R117, R129	1K5, 0.5W		Max 9.0 x 3.0 mm	1%
R110, R111	9K1, 0.5W		Max 9.0 x 3.0 mm	1%
R114, R115, R118, R119	100R, 0.5W		Max 9.0 x 3.0 mm	1%
R120, R121	3K39, 0.5W		Max 9.0 x 3.0 mm	1%
R122, R123	100R, 0.6W		Max 9.0 x 3.0 mm	1%
R124	-----			
R125	820R, 0.5W		Max 9.0 x 3.0 mm	1%
R127, R128	25R, 2W		Max 12.0 x 5.0 mm	Non-Inductive
R105, R126	5K potentiometer	Cermet, Bourns	Pin: 5 mm x 2.5 mm	10-24 turns
C101	680pF	Wima FKP2	L x W: 7.2 x 4.5 mm	
C102, C103	1000uF, 16V	Panasonic M-Series	Dia: 10 mm	
C104, C109	100nF	AVX BF-Series	L x W: 7.5 x 2.5 mm	
C105, C106	330pF	Wima FKP2	L x W: 7.2 x 4.5 mm	
C107, C108	100pF	Evox Rifa PFR5	L x W: 6.0 x 4.5 mm	
C110, C111	10uF, 16V	Panasonic M-Series	Dia: 5.0 mm	
Q101, Q103	2SC2240			
Q102, Q104	2SA970			
Q105	MPSA92			
Q106	MPSA42			
Q107, Q110	MJE15033			
Q108, Q109	MJE15032			
Q111	2SC3955			
D109, D110	1N4148			
ZD101, ZD102	??? 27V Zener, 1W		Max 6.0 x 3.0 mm	

#### Main PCB (Protection Circuit) / Optional

Component	Description	Mfr./Type	Dimensions	Notes
R301, R302	100R, 0.5W		Max 9.0 x 3.0 mm	
RVI	See below*		Max 9.0 x 3.0 mm	On Output Boards
C301, C302	22uF, 16V		Dia: 8.0 mm	
D301, D302, D303, D304	1N4148			
Q301	MPSA42			
Q302	MPSA92			

#### Output Board 2A (universal Positive/Negative half wave design boards)

Component	Description	Mfr./Type	Dimensions	Notes
RB	2R2, 0.5W		Max 9.0 x 3.0 mm	Base resistor
RVI	See below*		Max 9.0 x 3.0 mm	
RE	0R2-0R5		Max 9.0 x 3.0 mm	Non-Inductive
Q1, Q2, Q3	MJL21194			Positive Output
Q1, Q2, Q3	MJL21193			Negative Output

\* RVI resistor values on Output Board: RVI 1 / RVI 2 / RVI 3 = 100R for safe SOA