



Parts List KT88-amp "88-50" (one channel only)

Designed by W. J. Heath and G. R. Woodville / GEC

Part Description	Value / Type	Manufacturer	Buy from...	Part-#	Price (sFr.)	Cat. page	Status	payed	Comments
Tubes									
V1 Input tube	12AX7 / ECC83	Philips ECG (NOS)	Stein		Fr 50.00		payed	Fr 50.00	
V1' Novel tube socket	ceramic, gold pins		TPC	55292	Fr 3.75		payed	Fr 3.75	for 12AX7
V2 Input tube	12AU7 / ECC82	Mullard (NOS)	TPC	57018	Fr 45.00		payed	Fr 45.00	
V2' Novel tube socket	ceramic, gold pins		TPC	55292	Fr 3.75		payed	Fr 3.75	for 12AU7
V3 Power tube	KT88	National (1992)	TPC	57283	Fr 135.00		payed	Fr 135.00	
V3' Octal tube socket	ceramic, gold pins		TPC	55297	Fr 4.10		payed	Fr 4.10	for KT88
V4 Power tube	KT88	National (1992)	TPC	57283	Fr 135.00		payed	Fr 135.00	
V4' Octal tube socket	ceramic, gold pins		TPC	55297	Fr 4.10		payed	Fr 4.10	for KT88
Resistors									
R1 Carbon comp.	1MΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-ge]
R2 Carbon comp.	3.3kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[or-or-rd]
R3 Carbon comp.	100Ω / 0.5W / 10%	Allen Bradley	Weiborne	AB-100	Fr 1.15	73	ordered	Fr 0.00	[br-bk-br]
R4 Carbon comp.	3.3kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05	73	payed	Fr 0.05	[or-or-rd]
R5 Metal Film	1MΩ / 0.5W / 10%	Beyschlag	Pusterla		Fr 0.05		?	Fr 0.00	[br-bk-ge]
R6 Carbon comp.	220kΩ / 0.5W / 10%	Allen Bradley	Weiborne	AB-220k	Fr 1.15	73	ordered	Fr 0.00	[rd-rd-ye]
R7 Metal Film	220kΩ / 0.5W / 10%	Allen Bradley	Weiborne	AB-220k	Fr 1.15	73	ordered	Fr 0.00	[rd-rd-ye]
R8 Metal Film	1MΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-ge]
R9 Metal Film	1MΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-ge]
R10 Carbon comp.	10kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-or]
R11 Carbon comp.	10kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-or]
R12 Carbon comp.	4.7MΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[ye-vi-ge]
R13 Carbon comp.	4.7MΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[ye-vi-ge]
R14 Carbon comp.	100kΩ / 0.5W / 10%	Allen Bradley	Weiborne	AB-100k	Fr 1.15	73	ordered	Fr 0.00	[br-bk-ye]
R15 Carbon comp.	470kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[ye-vi-ye]
R16 Carbon comp.	470kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[ye-vi-ye]
R17 Carbon comp.	10kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-or]
R18 Carbon comp.	680Ω / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[bl-gy-br]
R19 Carbon comp.	10kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-or]
R20 Carbon comp.	4.7kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[ye-vi-rd]
R21 Metal Film	33kΩ / 2W / 2%	Beyschlag	Distrelec	712437	Fr 0.24	71.7	order!	Fr 0.00	\
R22 Potentiometer	25kΩ / 4W / lin.		Pusterla, Digilkey		Fr 15.00		order/buy!	Fr 0.00	-> R22 + R21 +R23 = 90kΩ, R21 = R23
R23 Metal Film	33kΩ / 2W / 2%	Beyschlag	Distrelec	712437	Fr 0.24	71.7	order!	Fr 0.00	/
R24 Carbon comp.	220kΩ / 0.5W / 10%	Allen Bradley	Weiborne	AB-220k	Fr 1.15	73	ordered	Fr 0.00	[rd-rd-ye]
R25 Carbon comp.	220kΩ / 0.5W / 10%	Allen Bradley	Weiborne	AB-220k	Fr 1.15	73	ordered	Fr 0.00	[rd-rd-ye]
R26 Carbon comp.	10kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-or]
R27 Carbon comp.	10kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	[br-bk-or]
R28 MOX	525Ω / 6W / 5%	*	*	*	*	*	*	Fr 0.00	Orig. value: 525Ω, R28a and R28b in series = 526Ω
R28a MOX	470Ω / 3W / 5%	Beyschlag	Distrelec	71 14 45	Fr 0.30	71.8	payed	Fr 0.30	[ye-vi-br]
R28a MOX	56Ω / 3W / 5%	Beyschlag	Distrelec	71 14 34	Fr 0.30	71.8	payed	Fr 0.30	[ge-bl-bk]
R29 MOX	526Ω / 6W / 5%	*	*	*	*	*	*	Fr 0.00	Orig. value: 525Ω, R29a and R29b in series = 526Ω
R29a MOX	470Ω / 3W / 5%	Beyschlag	Distrelec	71 14 45	Fr 0.30	71.8	payed	Fr 0.30	[ye-vi-br]]
R29b MOX	56Ω / 3W / 5%	Beyschlag	Distrelec	71 14 34	Fr 0.30	71.8	payed	Fr 0.30	[ge-bl-bk]
R30 Carbon comp.	100Ω / 0.5W / 10%	Allen Bradley	Weiborne	AB-100	Fr 1.15	73	ordered	Fr 0.00	[br-bk-br]
R31 Carbon comp.	100Ω / 0.5W / 10%	Allen Bradley	Weiborne	AB-100	Fr 1.15	73	ordered	Fr 0.00	[br-bk-br]
R32 Carbon comp.	330kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	can be larger value
R33 Carbon comp.	330kΩ / 0.5W / 10%	Allen Bradley	Pusterla		Fr 0.05		payed	Fr 0.05	can be larger value
R40 Potentiometer	2kΩ	Spectral	Distrelec	740607	Fr 1.80	74.8	payed	Fr 1.80	Adjust to 485Ω for 6.3V heat-voltage
R41 Metal Film	120Ω / 0.6W / 1%	Beyschlag	Distrelec	714062	Fr 0.07	71.4	order	Fr 0.00	[bn-rd-bn]
R42 Metal Film	100kΩ / 0.6W / 1%	Beyschlag	Distrelec	714148	Fr 0.07	71.5	order	Fr 0.00	[br-bk-ye]

Capacitors												
C1	MKP	10µF / 630V	Intertechnik	CEG	1477	Fr 8.60	30	payed	Fr 8.60	PSU	orig. value: 8µF	
C2	Electrolytic	47µF / 16V	Elna	Distrelec	80 21 00	Fr 0.65	80.6	payed	Fr 0.65			
C3	Electrolytic	47µF / 16V	Elna	Distrelec	80 21 00	Fr 0.65	80.6	payed	Fr 0.65			
C4	(MKP OrangeDrop	0.22µF / 600V	Sprague	NewSensor		Fr 3.40	(web)	payed	Fr 3.40	signal path	orig. value: 0.25µF	
C5	(MKP OrangeDrop	0.22µF / 600V	Sprague	NewSensor		Fr 3.40	(web)	payed	Fr 3.40	signal path	orig. value: 0.25µF	
C6		470pF / 630V				Fr 0.00			Fr 0.00			
C7		470pF / 630V	Sprague	NewSensor		Fr 1.50	(web)	payed	Fr 1.50	signal path	orig. Value: 5nF, alt.: 2 * WIMA 0.1µF in Series	
C8	(MKP OrangeDrop	4.7nF / 600V	Sprague	NewSensor		Fr 1.50	(web)	payed	Fr 1.50	signal path	orig. Value: 5nF, alt.: 2 * WIMA 0.1µF in Series	
C9	(MKP OrangeDrop	0.47µF / 600V	Sprague	NewSensor		Fr 3.50	(web)	payed	Fr 3.50	signal path	orig. value: 0.5µF	
C10	(MKP OrangeDrop	0.47µF / 600V	Sprague	NewSensor		Fr 3.50	(web)	payed	Fr 3.50	signal path	orig. value: 0.5µF	
C11	(MKP OrangeDrop	0.47µF / 600V	Sprague	NewSensor		Fr 3.50	(web)	payed	Fr 3.50	signal path	orig. value: 0.5µF	
C12	Electrolytic	47µF / 100V	Elna	Distrelec	802136	Fr 1.60	80.6	payed	Fr 1.60			
C13	Electrolytic	47µF / 100V	Elna	Distrelec	802136	Fr 1.60	80.6	payed	Fr 1.60			
C14	Electrolytic	470µF / 400V	Elna	Distrelec	801388	Fr 12.00	80.13	payed	Fr 12.00	PSU	orig. value: 24µ	
C15	Electrolytic	470µF / 400V	Elna	Distrelec	801388	Fr 12.00	80.13	payed	Fr 12.00	PSU	orig. value: 24µF	
C16	MKP	3.9µF / 630V	Intertechnik	CEG	1472	Fr 5.05	30	payed	Fr 5.05	PSU (heat.)	orig. value: 4µF (C16 sets the B+ voltage!)	
C30	Electrolytic	10000µF / 35V	Elna	Distrelec	801320	Fr 5.80	80.12	payed	Fr 5.80	PSU (heat.)		
C31	Electrolytic	22µF / 50V	Elna	Distrelec	802114	Fr 0.80	80.6	payed	Fr 0.80	slow turn-on (heat.)		
C32	Electrolytic	10000µF / 35V	Elna	Distrelec	801320	Fr 5.80	80.12	payed	Fr 5.80	PSU (heat.)		
Semiconductors												
B1	Rectifier (B+)	KBU4M		Distrelec	600049	Fr 3.70	60.2	payed	Fr 3.70	KBU4M: 1000V rrm, 700Vrms, 4A		
B2	Rectifier (heatings)	KBU6A		Distrelec	600053	Fr 2.30	60.3	payed	Fr 2.30	KBU6A: 50V rrm, 35V rms, 6A		
T1	Transistor	BC557		Distrelec	610368	Fr 0.25	61.4	payed	Fr 0.25			
IC1	Volt.-regulator	LM350T	National Semi.	Distrelec	640811	Fr 5.00	64.58	payed	Fr 5.00	Voltage regulator (adcl.), 3A		
IC1'	Heatsink	SK08 / 50	Fischer Elektr.	Distrelec	650286	Fr 7.00	65.4	payed	Fr 7.00	ca. 2.2K/W, 88 x 50mm		
D1	Diode	IN4001		Distrelec	603560	Fr 0.20	60.9	payed	Fr 0.20			
D2	Diode	IN4001		Distrelec	603560	Fr 0.20	60.9	payed	Fr 0.20			
Transformers												
Tr1	Output-Trsf.	50W / Raa=5kΩ / UL	Tango	Hirata Corp.	XE-60-5	Fr 325.00		payed	Fr 325.00			
Tr2	Power-Trsf.		Wagner&Grimm	Wagner - Grimm		Fr 185.00		payed	Fr 185.00	toroid		
Plugs												
J1	Signal Input	RCA, gold, case mount	Neutrik	Distrelec	11 38 16	Fr 7.70	11.97	payed	Fr 7.70	1 red + 1 black plug per package		
J2	PSU (amp side)	4 pin + shield, case mount, female	Amphenol	Distrelec	11 05 46	Fr 9.40	11.51	payed	Fr 9.40			
J2'	PSU (amp side)	4 pin + shield, cable mount, male	Amphenol	Distrelec	11 05 48	Fr 19.90	11.52	payed	Fr 19.90			
J3	PSU (PSU side)	4 pin + shield, case mount, female	Amphenol	Distrelec	11 05 46 -	-	11.51	payed	-	(not needed)		
J3'	PSU (PSU side)	4 pin + shield, cable mount, male	Amphenol	Distrelec	11 05 48 -	-	11.52	payed	-	(not needed)		
J4	Speaker out (signal)	red, gold plated	Intertechnik	OE/G/Intertec	7106	Fr 3.70	4.4	payed	Fr 3.70			
J4'	Speaker out (signal)	red, gold plated	Intertechnik	OE/G/Intertec	7106	Fr 3.70	4.4	payed	Fr 3.70			
J4''	Speaker out (gnd)	black, gold plated	Intertechnik	OE/G/Intertec	7105	Fr 3.70	4.4	payed	Fr 3.70			
J5	PSU 230V/AC	230V/AC, chassis mount, switch	Schurter	Distrelec	11 23 21	Fr 4.90	11.10	payed	Fr 4.90			
Miscellaneous												
L1	Choke	5H / 250mA	Wagner&Grimm	Wagner - Grimm		Fr 51.50		payed	Fr 51.50	65 * 68 * 106mm		
F1	Fuse	1A (delayed)		Distrelec		Fr 0.00		payed	Fr 0.00	B+		
F1'	Fuse-"Socket"			Distrelec		Fr 0.00		payed	Fr 0.00			
F2	Fuse	6A (delayed)		Distrelec		Fr 0.00		payed	Fr 0.00	heaters		
F2'	Fuse-"Socket"			Distrelec		Fr 0.00		payed	Fr 0.00			
Case		for amp	Gysin, Morath, etc.	Distrelec		Fr 150.00		order!	Fr 0.00			
Case		1/2 for PSU		Distrelec		Fr 30.00		order!	Fr 0.00			
K1	PSU-cable (5m)	4 pins + 1shield	Dätwyler	Distrelec	512035	Fr 15.50	51.43	payed	Fr 15.50	(5m enough for both amps)		

