

Revision Revox B285

Kondensatoren

Platine	Bez.	Original		Ersatz					
		Kapazität	Spannung	Typ	Lieferant	Best.No.	Preis	Marke	Typ
Keyboard	C3	2 uF	50 V	63V / 100uF	Farnell	969-2517	1.45	Panasonic	FC
	C4	22 uF	25 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
Microprocessor Board	C8	10 uF	50 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
	C21	220 uF	10 V	16V / 180uF	Farnell	969-2037	0.86	Panasonic	FC
	C26	10 uF	50 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
	C27	10 uF	50 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
	C31	10 uF	50 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
	C32	10 uF	50 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
	C33	10 uF	50 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
	C34	2'200 uF	16 V	16V / 3300uF	Farnell	116-5378	2.95	Panasonic	FC
	C35	10 uF	50 V	50V / 27uF	Farnell	969-2398	0.52	Panasonic	FC
	C36	4'700 uF	40 V	40V / 4700uF	Farnell	118-7042	7.5	Panasonic	FC
Preamplifier	C37	4'700 uF	40 V	40V / 4700uF	Farnell	118-7042	7.5	Panasonic	FC
	C10	100 uF	10 V	16V / 180uF	Farnell	969-2037	0.86	Panasonic	FC
	C11	100 uF	10 V	16V / 180uF	Farnell	969-2037	0.86	Panasonic	FC
	C12	22 uF	25 V	63V / 100uF	Farnell	969-2517	1.45	Panasonic	FC
	C13	22 uF	25 V	63V / 100uF	Farnell	969-2517	1.45	Panasonic	FC
	C111	47 uF	25 V	20V / 47uF	Farnell	303-7587	5.35	Vishay	Tantal
	C114	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C117	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C118	22 uF	25 V	16V / 22uF	Farnell	118-7285	3.2	Vishay	Tantal
	C211	47 uF	25 V	20V / 47uF	Farnell	303-7587	5.35	Vishay	Tantal
	C214	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C217	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C218	22 uF	25 V	16V / 22uF	Farnell	118-7285	3.2	Vishay	Tantal
Power Amplifier	C116	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C216	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C301	100 uF	10 V	16V / 180uF	Farnell	969-2037	0.86	Panasonic	FC
	C303	10 uF	63 V	63V / 100uF	Farnell	969-2517	1.45	Panasonic	FC
	C305	10 uF	63 V	63V / 100uF	Farnell	969-2517	1.45	Panasonic	FC
	C307	100 uF	10 V	16V / 180uF	Farnell	969-2037	0.86	Panasonic	FC
	C308	15'000 uF	63 V	63V / 22000uF	Farnell	116-6570	24.3	Vishay	BC Components
	C309	15'000 uF	63 V	63V / 22000uF	Farnell	116-6570	24.3	Vishay	BC Components
Phono Equalizer MM	C4	100 uF	10 V	16V / 180uF	Farnell	969-2037	0.86	Panasonic	FC
	C7	1 uF	25 V	250V / 1uF MKT	Farnell	116-6844	2.55	Vishay	Polyester
	C8	1 uF	25 V	250V / 1uF MKT	Farnell	116-6844	2.55	Vishay	Polyester
	C9	100 uF	10 V	16V / 180uF	Farnell	969-2037	0.86	Panasonic	FC
	C10	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C11	22 uF	25 V	35V / 39uF	Farnell	969-2240	0.52	Panasonic	FC
	C113	470 uF	6 V	6.3V / 560uF	Farnell	969-1847	1.2	Panasonic	FC
	C213	470 uF	6 V	6.3V / 560uF	Farnell	969-1847	1.2	Panasonic	FC
	C304	22 uF	10 V	16V / 22uF	Farnell	118-7285	3.05	Vishay	Tantal
	C404	22 uF	10 V	16V / 22uF	Farnell	118-7285	3.05	Vishay	Tantal
Total Netto							118.84		
Total Brutto inkl. MwSt.							128.00		

Messprotokoll - Verstärker

Datum 9. Dez. 2008
Erstellt durch Daniel Meier, 3375 Inkwil

Gerät	
Marke	Revox
Typ	B285
Serial-No	07001
Bemerkung	nach Revision
Besitzer	Andreas Tramm, Derendingen

Messbedingungen				
Netzspannung	228	VAC		
AC-Spannung Endstufe Standby	43.5	VAC		
AC-Spannung Endstufe Leerlauf	42.8	VAC		
DC-Spannung Endstufe Standby	59.4	VDC	-58.9	VDC
DC-Spannung Endstufe Leerlauf	56.0	VDC	-56.2	VDC

Spannungsverstärkung		Eingangsspannung	Ausgangsspannung	Bemerkung
@ 1 kHz	32.9 dBV	0.10 VACin	4.42 VACout	maximale Verstärkung

Frequenzgang	Frequenz
untere Grenzfrequenz ohne Last	3 Hz
obere Grenzfrequenz ohne Last	125'000 Hz
untere Grenzfrequenz 4 Ohm Last	3 Hz
obere Grenzfrequenz 4 Ohm Last	75'000 Hz

Dämpfungsfaktor	@ 4 Ohm	@ 8 Ohm	Spannung ohne Last	Spannung mit Last	Innenwiderstand
@ 30 Hz	71	141	10.02 VAC	9.88 VAC	0.057 Ohm
@ 100 Hz	66	132	10.04 VAC	9.89 VAC	0.061 Ohm
@ 1 kHz	66	131	10.00 VAC	9.85 VAC	0.061 Ohm
@ 10 kHz	41	81	9.98 VAC	9.74 VAC	0.099 Ohm
@ 20 kHz	23	45	9.90 VAC	9.48 VAC	0.177 Ohm
@ 50 kHz	7	14	9.41 VAC	8.22 VAC	0.579 Ohm

Leistung (Sinus @ 1 kHz)	Leistung	Spannung	Strom	Bemerkung
@ 8 Ohm	119 W	30.8 VAC	3.9 IAC	normale Clipping-Grenze
@ 4 Ohm	190 W	27.6 VAC	6.9 IAC	normale Clipping-Grenze
@ 4 Ohm (beide Kanäle je)	119 W	21.8 VAC	5.5 IAC	normale Clipping-Grenze
@ 2 Ohm	114 W	15.1 VAC	7.6 IAC	Verformung in Signal

Messmittel		
Marke	Hewlett Packard	Fluke
Typ	34401A	189
Serial-No	US36014002	90550608