



# PICCOLONE 643 MOBIL

## SPECIFIKATIONER:

### 10 TRANSISTORER:

AF 102, 4×AF 116,  
TF 65, AC 126, AC 125,  
2×AC 128

### 7 DIODER:

3×AA 119, OA 79,  
2×AA 112, BA 114

### BATTERISPÆNDING:

9 Volt (6×1,5 V)

### BØLGEOMRÅDER:

LB 146–335 Kc (2050–845 m)  
MB 510–1500 Kc (577–200 m)  
KB 1,55–4,9 Mc (194–61 m)  
FM 86,5–104,5 Mc

### MELLEMFREKVENS:

AM 449 Kc  
FM 10,9 Mc

### OUTPUT:

1,5 Watt

### VÆGT: 2,2 kg

### TILSLUTNINGER:

Ekstrahøjttaler,  
grammofon- og båndoptager-  
tilslutning, autoantenne.

## TECHNICAL DESCRIPTION:

### 10 TRANSISTORS:

AF 102, 4×AF 116,  
TF 65, AC 126, AC 125,  
2×AC 128

### 7 DIODES:

3×AA 119, OA 79,  
2×AA 112, BA 114

### POWER SUPPLY:

9 Volt (6×1,5 V)

### RECEIVING RANGE:

LB 146–335 Kc (2050–845 m)  
MB 510–1500 Kc (577–200 m)  
KB 1,55–4,9 Mc (194–61 m)  
FM 86,5–104,5 Mc

### INTERMEDIATE FREQUENCY:

AM 449 Kc  
FM 10,9 Mc

### POWER OUTPUT:

1,5 Watt

### WEIGHT: 2,2 kg

### CONNECTIONS:

Tape Recorder, Pick-up,  
Car-antenna, Speaker or Headphone.

## TECHNISCHE BESCHREIBUNG:

### 10 TRANSISTOREN:

AF 102, 4×AF 116,  
TF 65, AC 126, AC 125,  
2×AC 128

### 7 DIODEN:

3×AA 119, OA 79,  
2×AA 112, BA 114

### BATTERIESPANNUNG:

9 Volt (6×1,5 V)

### WELLENBEREICHE:

LB 146–335 Kc (2050–845 m)  
MB 510–1500 Kc (577–200 m)  
KB 1,55–4,9 Mc (194–61 m)  
FM 86,5–104,5 Mc

### ZWISCHENFREQUENZ:

AM 449 Kc  
FM 10,9 Mc

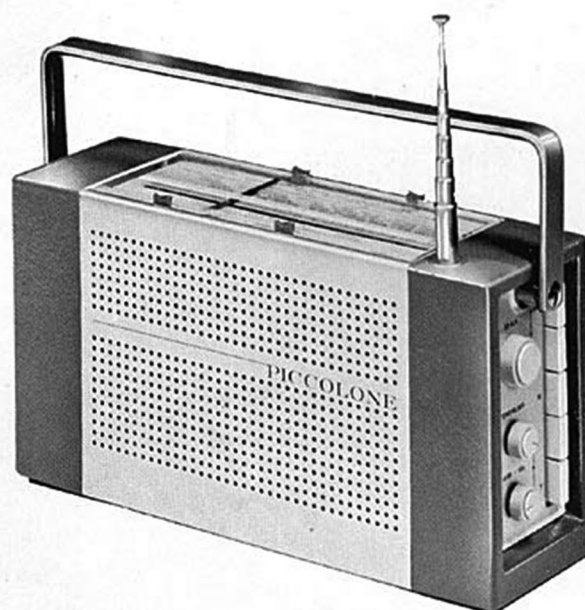
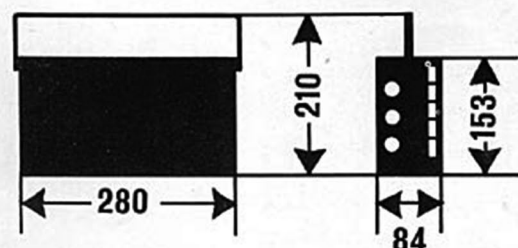
### AUSGANGLEISTUNG:

1,5 Watt

### GEWICHT: 2,2 kg

### ANSCHLÜSSE:

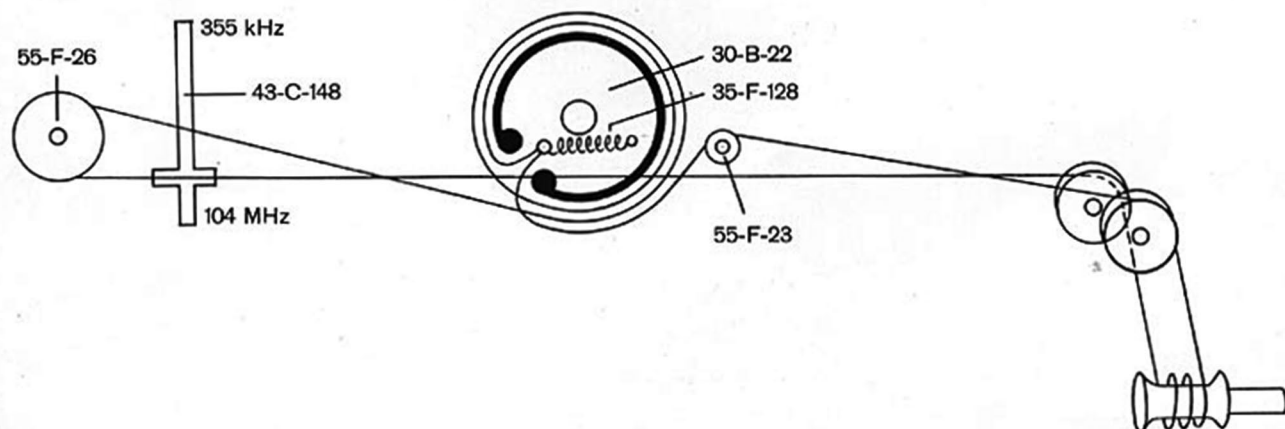
Tonbandgeräte, Plattenspieler,  
Autoantenne, Lautsprecher  
oder Kopfhörer.

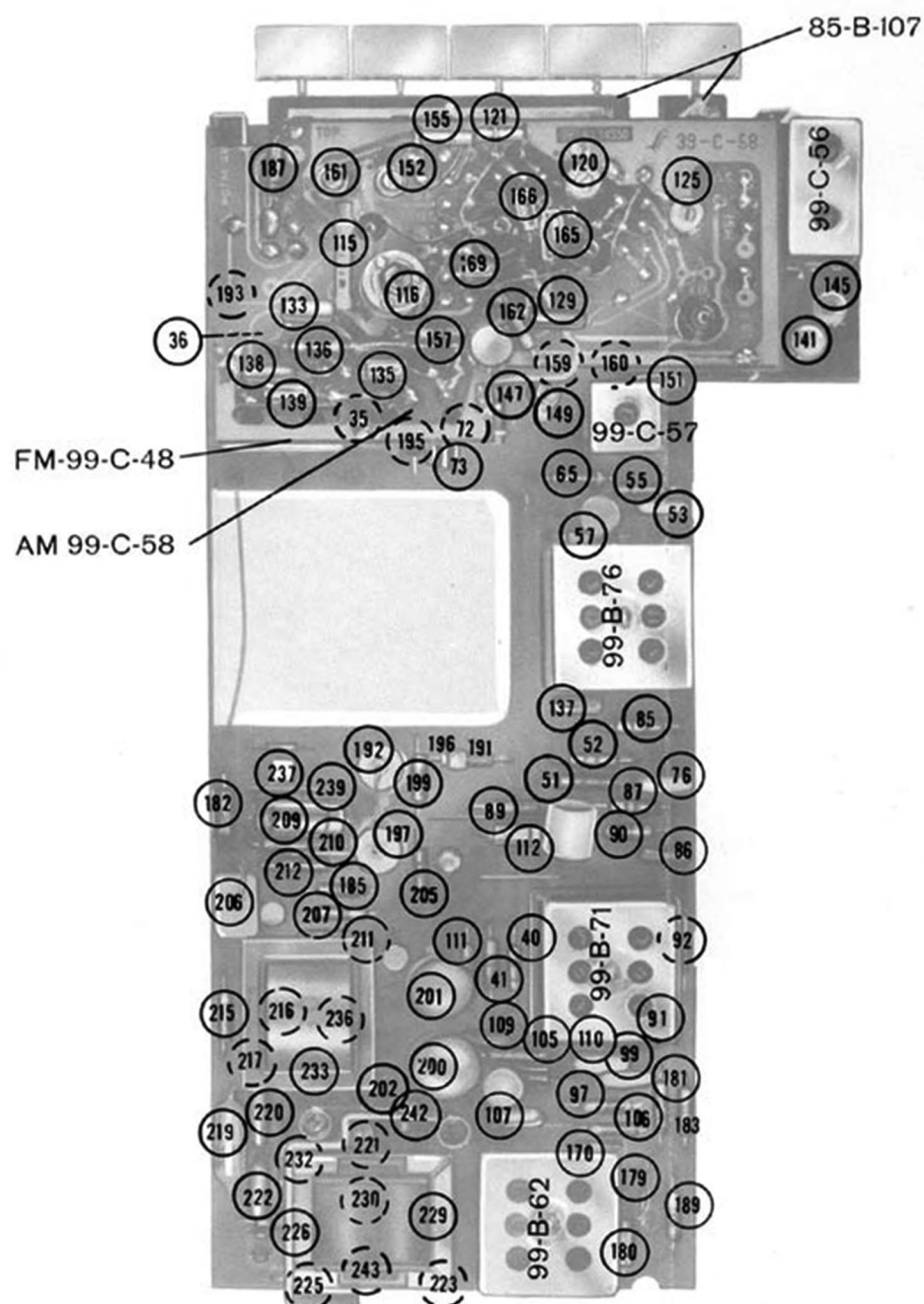


## FØLSOMHEDSMÅLING - CIRCUIT ALIGNMENT - ABGLEICHVORSCHRIFT

Område Waveleith Berich	Indstilling Tunning to Drehko	Indput	Juster Adjust Abgleich	Følsomhed Sensivitet Empfindlich
AM-MF 449 Kc AM-ZF 449 KHz Modulation 30 % AM				
KB SW KW	1.8 MHz 1.8 MHz 1.8 MHz	Basis 2. MF Tr. Basis 1. MF Tr. Punkt E	S 13 - S 14 S 9 - S 10 S 20 - S 21	3 mV 125 $\mu$ V 30 $\mu$ V
AM-HF Modulation 30 % AM				
LB auto LW auto MW auto MB auto KB I SW I	160 KHz 300 KHz 600 KHz 1.5 MHz 1.8 MHz 4 MHz	Auto bøsning Auto Buche Car arrial socket arrial socket arrial socket arrial	S 24 - S 17 C 116 - C 141 S 25 - S 18 C 120 - C 145 S 26 - S 19 C 125 - C 149	23 $\mu$ V 5 $\mu$ V 4 $\mu$ V 5 $\mu$ V 10 $\mu$ V 10 $\mu$ V
AM-FERRIT ANT.				
LW LB MB MW	160 KHz 300 KHz 600 KHz 1.5 MHz		S 22 C 152 S 23 C 161	Max. output Max. output Max. output Max. output
FM-MF 10,9 Mc FM-ZF 10,9 MHz Modulation $\pm$ 22,5 KHz				
FM FM FM FM	94 MHz 94 MHz 94 MHz 94 MHz	Basis 3. MF Tr. Basis 2. ZF Tr. Basis 1. ZF Tr. Auto bøsning	S 15 - S 16 S 11 - S 12 S 7 - S 8 S 5 - S 6	6,5 mV 800 $\mu$ V 65 $\mu$ V 3,2 mV
FM-HF Modulation $\pm$ 22,5 KHz				
FM	94 MHz	Auto bøsning	S 4 - S 2 - S 1	15 $\mu$ V

## SKALATRÆK - TUNNING DRIVE - ANTREIB







# PICCOLONE 643 MOBIL

58-F-691  
58-F-689  
58-F-687  
58-F-685

82-B-747

82-B-748

58-F-692 grøn green grün  
58-F-690 blå blue blau  
58-F-688 sort black schwarz  
58-F-686 gul yellow gelb

TK 643

58-C-665

46-B-186

58-B-667

46-B-186

M6

50-F-64

58-F-666

57-C-199

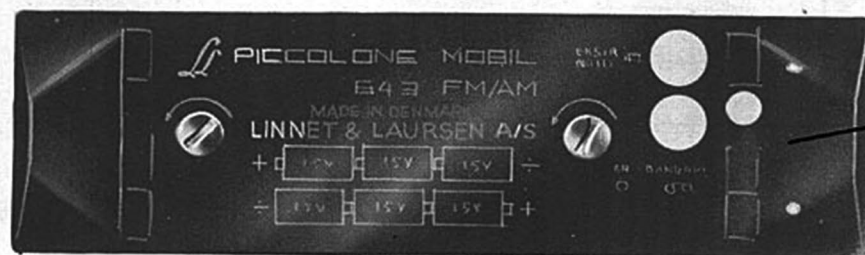
57-F-198

31-C-105

31-C-106

58-F-544

82-C-751



**ELEKTROLYTTER  
ELECTROLYTIC CAPACITORS  
ELEKTROLYT KONDENSATOREN**

Diagr. nr			Tolerance	Volt Watt	
112	.....	10 $\mu$ F	+50% -10%	16 V	C 426 AE/E 10 ... Philips
180	.....	10 $\mu$ F	+50% -10%	16 V	C 426 AE/E 10 ... Philips
182	.....	3,2 $\mu$ F	+50% -10%	40 V	C 426 AE/G 3,2 ... Philips
187	.....	2 $\mu$ F	+50% -10%	10 V	C 426 AN/D 2 ... Philips
192	.....	200 $\mu$ F	+50% -10%	16 V	C 426 CE/E 200 ... Philips
192	.....	200 $\mu$ F	+50% -10%	16 V	C 426 CE/E 200 ... Philips
193	.....	100 $\mu$ F	+50% -10%	16 V	C 426 AM/E 100 ... Philips
197	.....	320 $\mu$ F	+50% -10%	10 V	C 426 CE/D 320 ... Philips
200	.....	500 $\mu$ F	+50% -20%	12/ 15 V	F & T med Fuss-sokkel Scansupply
201	.....	200 $\mu$ F	+50% -10%	16 V	C 426 CE/E 200 ... Philips
210	.....	64 $\mu$ F	+50% -10%	10 V	C 426 AM/D 64 ... Philips
216	.....	10 $\mu$ F	+50% -10%	16 V	C 426 AM/E 10 ... Philips

**TRANSISTORER - DIODER  
TRANSISTORS - DIODES  
TRANSISTOREN - DIODEN**

Diagr. nr		
7	.....	AF 102 ... Philips
21	.....	AF 135 ... A.E.G.
30	.....	AA 119 ... Philips
39	.....	AF 116 ... Philips
95	.....	AA 119 ... Philips
101	.....	OA 79 ... Philips
113	.....	OC 71 ... Philips
130	.....	AF 116 ... Philips
175	.....	AA 112 P ... A.E.G.
176	.....	AA 112 P ... A.E.G.
213	.....	AC 126 ... Philips
235	.....	AC 125 ... Philips

**SPECIAL KOMponenter  
SPECIAL COMPONENTS**

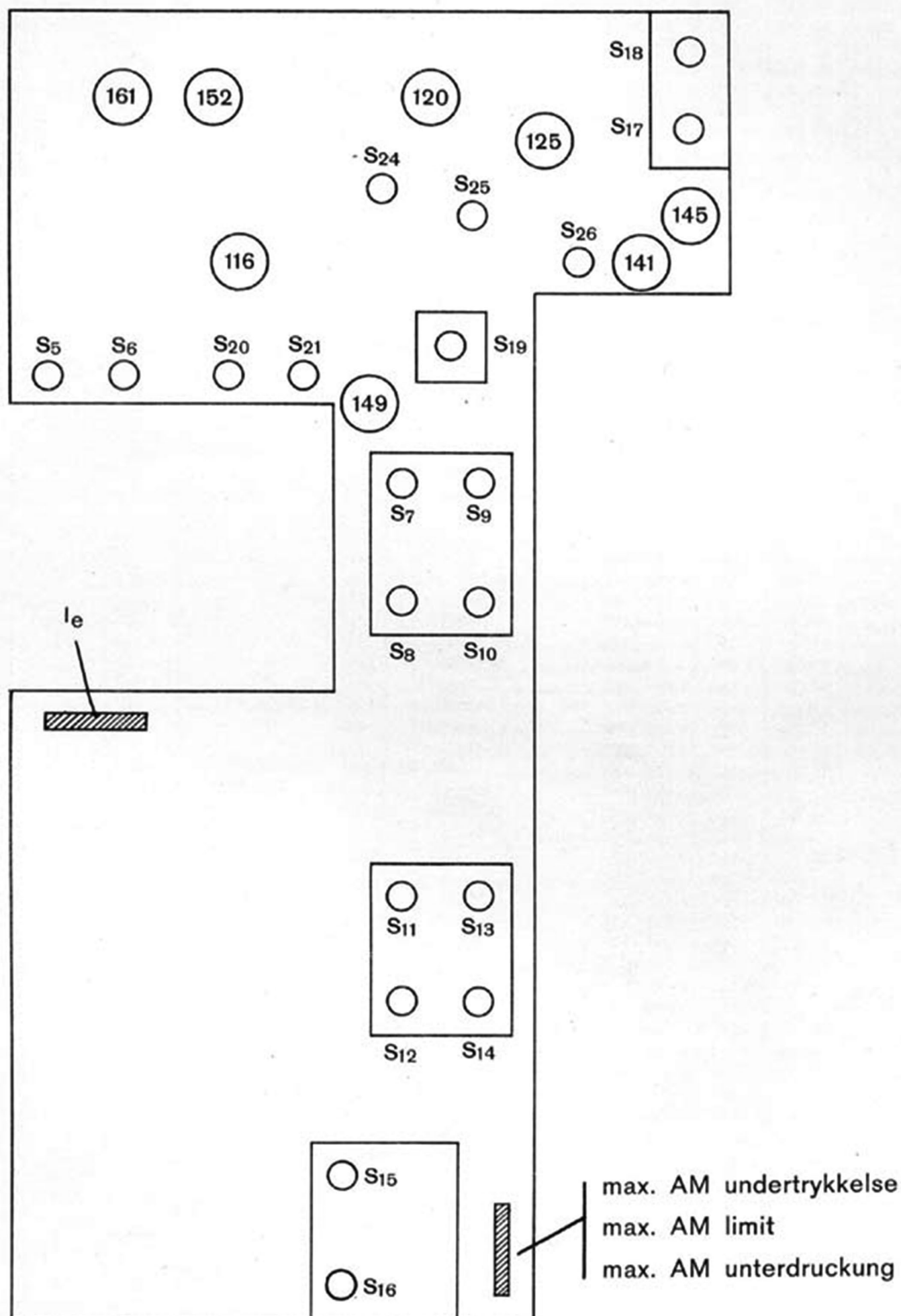
Diagr. nr			
1	FM-Antennetrafo		100-F-218 ... LL
10	FM-HF-Spole		100-F-219 ... LL
12	Trimmekondensator	3,5 - 13 pF	N 470 ... Stettner & Co. 7 S - Triko 02
15	HF-Drosselspole		100-F-140 ... LL
30	Diode		AA 119 ... Philips
31	Samlet 1. FM-MF		99-C-48 ... LL
37	Trykknappomskifter		85-B-107 ... Preh
42	FM-Oscillatorspole		100-F-220 ... LL
45	Trimmekondensator	3,5 - 13 pF	N 470 ... Stettner & Co. 7 S - Triko 02
46	FM-MF-Spole		100-F-206 ... LL
49	Samlet 3. FM-AM-MF		99-B-61 ... LL
62	Drosselspole for AM-Tuner		100-F-157 ... LL
70	FM-MF-Spole		100-F-206 ... LL
74	2. AM-MF-Primær- spole		100-F-211 ... LL
	2. AM-MF-Sekun- dærspole		100-F-212 ... LL
75	Samlet 2. FM-AM-MF		99-B-76 ... LL
82	AM-Detektorspole		100-F-213 ... LL
95	Diode		AA 119 ... Philips
100	Samlet FM-Detektor		99-B-62 ... LL
101	Diode		OA 79 ... Philips
103	FM-Detektorspole		100-F-236 ... LL
116	Trimmekondensator	30 pF	C 005 CC/30 E ... Philips
117	LB-Oscillatorspole		100-F-221 ... LL
119	Se diagram nr. 117		
120	Trimmekondensator	4,5 - 20 pF	N 750 ... Stettner & Co. 7 S - Triko 02
122	MB-Oscillatorspole		100-F-222 ... LL
123	Se diagram nr. 122		
125	Trimmekondensator	4,5 - 20 pF	N 750 ... Stettner & Co. 7 S - Triko 02
127	KB I - Oscillatorspole		100-F-223 ... LL
131	Samlet 1. AM-MF		99-C-58 ... LL
141	Trimmekondensator	7 - 35 pF	N 1500 ... Stettner & Co. 7 S - Triko 02
142	LB-Antennespole		100-F-224 ... LL
145	Trimmekondensator	4,5 - 20 pF	N 750 ... Stettner & Co. 7 S - Triko 02
146	MB-Antennespole		100-F-225 ... LL
149	Trimmekondensator	8,5 pF	GSa 788 ... N.S.F.
150	Samlet KB I - Anten- nespole		99-C-57 ... LL
152	Trimmekondensator	8,5 pF	GSa 788 ... N.S.F.
153	LB-Ferritspole		100-F-227 ... LL
156	MB-Ferritspole		100-F-228 ... LL
161	Trimmekondensator	8,5 pF	GSa 788 ... N.S.F.
163	Se diagram nr. 127		
167	Drejekondensator		Type 51 ... Plessey 82-C-830
172	FM-Detektorspole		100-F-237 ... LL
175	Diode		AA 112 P ... A.E.G.
176	Diode		AA 112 P ... A.E.G.
179	Trimmpotentiometer	F k $\Omega$ KV I	P 4 ... Vitrohm
186	Potentiometer	25 k $\Omega$ 10g.	P 457 ... Vitrohm
191	Peakingspole		82-F-732
196	Se diagram nr. 191		100-F-153 ... LL
203	Potentiometer	10 k $\Omega$ 10g.	P 454 ... Vitrohm
227	Højttaler		82-F-733
			LE 308 ... Peerless
			82-C-746
229	Udgangstrafo		RR 905.54 ... R.R.
233	Drivertrafo		RR 905.53 ... R.R.
237	Trimmpotentiometer	200 $\Omega$ KV I	gedr. Schaltung ... Preh Nr. 9219











**MODSTANDE  
RESISTORS  
WIDERSTÄNDE**

Diagr. nr			Toler- ance	Volt Watt	
6	68 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
17	1,5 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
19	6,8 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
20	22 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
32	56 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
40	820 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
41	18 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
51	1,2 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
52	27 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
55	12 k $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
56	100 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
57	1,2 k $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
60	2,2 k $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
61	22 k $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
65	22 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
67	100 $\Omega$	$\pm 10\%$	0,125 W	Type B	Beyschlag
68	100 $\Omega$	$\pm 10\%$	0,125 W	Type B	Beyschlag
85	0,1 M $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
87	22 k $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
89	15 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
90	33 k $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
91	5,6 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
92	5,6 k $\Omega$	$\pm 10\%$	0,125 W	Type B	Beyschlag
97	47 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
105	15 k $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
106	820 $\Omega$	$\pm 5\%$	0,5 W	SBT	Vitrohm
111	15 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
136	470 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
157	1,5 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
159	6,8 k $\Omega$	$\pm 10\%$	0,25 W	RBT	Vitrohm
160	18 k $\Omega$	$\pm 10\%$	0,25 W	RBT	Vitrohm
162	330 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
171	470 $\Omega$	$\pm 10\%$	0,125 W	Type B	Beyschlag
174	68 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
181	3,3 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
183	3,3 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
185	22 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
188	68 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
189	1 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
195	1 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
199	330 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
202	330 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
205	5,6 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
207	3,3 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
209	2,2 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
211	47 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
212	47 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
215	1 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
217	10 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
221	4,7 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
225	100 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
226	3,3 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
230	150 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
232	47 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
236	27 $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
239	1,2 k $\Omega$	$\pm 10\%$	0,5 W	SBT	Vitrohm
242	1,5 $\Omega$	$\pm 10\%$	0,7 W	Rn 3	Resista

**KONDENSATORER  
CAPACITORS  
KONDENSATOREN**

Diagr. nr			Toler- ance		
2	800 pF	$\pm 20\%$	250 V	D 2000 800 pF $\pm 20\%$ Rd	
3	33 pF	$\pm 5\%$	500 V	C 304 GB/B 33 E Philips	
4	18 pF	$\pm 10\%$	500 V	C 304 GB/A 18 E Philips	
5	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
9	400 pF	$\pm 20\%$	500 V	CWD 1 A-K 3000 - 2,2 x 5,5	
				- 400 pF $\pm 20\%$ Steatit	
				Magnesia	
11	15 pF	$\pm 5\%$	500 V	C 304 GB/B 15 E Philips	
13	4,7 pF	$\pm 0,5 pF$	500 V	C 304 GB/L 4 E 7 Philips	
16	400 pF	$\pm 20\%$	500 V	CWD 1 A-K 3000 - 2,2 x 5,5	
				- 400 pF $\pm 20\%$ Steatit	
				Magnesia	
22	1 nF	$\pm 5\%$	30 V	B 31100-A3-102J Siemens	
23	400 pF	$\pm 20\%$	500 V	CWD 1 A-K 3000 - 2,2 x 5,5	
				- 400 pF $\pm 20\%$ Steatit	
				Magnesia	
25	4,7 pF	$\pm 0,5 pF$	500 V	C 304 GB/L 4 E 7 Philips	
26	15 pF	$\pm 5\%$	500 V	C 304 GB/B 15 E Philips	
29	56 pF	$\pm 10\%$	500 V	C 304 GB/A 56 E Philips	
33	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
35	220 pF	$\pm 2,5\%$	125 V	B 31110-A1-221H Siemens	
36	700 pF	$\pm 5\%$	125 V	B 31010-A1-701J Siemens	
43	220 pF	$\pm 2,5\%$	125 V	B 31110-A1-221H Siemens	
47	180 pF	$\pm 2,5\%$	125 V	B 31110-A1-181K Siemens	
53	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
59	0,1 $\mu F$	$\pm 20\%$	30 V	C 280 AA/P 100 K Philips	
63	200 pF	$\pm 10\%$	125 V	B 31110-A1-201K Siemens	
69	180 pF	$\pm 2,5\%$	125 V	B 31110-A1-181H Siemens	
71	2,2 nF	$\pm 5\%$	50 V	B 31101-A5-222J Siemens	
72	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
73	0,1 $\mu F$	$\pm 20\%$	30 V	C 280 AA/P 100 K Philips	
76	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
77	1 nF	$\pm 5\%$	30 V	B 31100-A3-102J Siemens	
79	1 nF	$\pm 5\%$	30 V	B 31100-A3-102J Siemens	
80	270 nF	$\pm 2,5\%$	125 V	B 31110-A1-271H Siemens	
83	2,2 nF	$\pm 5\%$	50 V	B 31101-A5-222J Siemens	
86	0,1 $\mu F$	$\pm 20\%$	30 V	C 280 AA/P 100 K Philips	
93	10 nF	$\pm 20\%$	30 V	C 280 AA/P 10 K Philips	
96	1 nF	$\pm 20\%$	125 V	B 31010-A1-102K Siemens	
99	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
102	150 pF	$\pm 2,5\%$	125 V	B 31110-A1-151H Siemens	
107	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
109	10 nF	$\pm 20\%$	30 V	C 280 AA/P 10 K Philips	
110	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
115	120 pF	$\pm 5\%$	500 V	C 304 GB/B 120 E Philips	
121	22 pF	$\pm 2\%$	500 V	C 304 GB/C 22 E Philips	
129	10 nF	$\pm 20\%$	30 V	C 280 AA/P 10 K Philips	
133	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
135	2,2 nF	$\pm 5\%$	50 V	B 31101-A5-222J Siemens	
137	0,1 $\mu F$	$\pm 20\%$	30 V	C 280 AA/P 100 K Philips	
138	22 nF	$\pm 20\%$	30 V	C 280 AA/P 22 K Philips	
139	2,2 nF	$\pm 5\%$	50 V	B 31101-A5-222J Siemens	
147	6,8 pF	$\pm 0,5 pF$	500 V	C 304 GB/L 6 E 8 Philips	
151	47 nF	$\pm 20\%$	30 V	C 280 AA/P 47 K Philips	
155	33 pF	$\pm 2\%$	500 V	C 304 GB/C 33 E Philips	
165	1,2 nF	$\pm 2,5\%$	125 V	B 31010-A1-122H Siemens	
166	550 pF	$\pm 2,5\%$	125 V	B 31110-A1-551H Siemens	
169	270 pF	$\pm 2,5\%$	125 V	B 31110-A1-271H Siemens	
170	10 nF	$\pm 20\%$	30 V	C 280 AA/P 10 K Philips	
173	47 pF	$\pm 2,5\%$	125 V	B 31110-A1-470H Siemens	
177	400 pF	$\pm 10\%$	125 V	B 31110-A1-401K Siemens	
190	400 pF	$\pm 10\%$	125 V	B 31110-A1-401K Siemens	
206	0,47 $\mu F$	$\pm 10\%$	160 V	C 281 AB/A 470-K Philips	
219	6,8 nF	$\pm 10\%$	400 V	C 296 AC/A 6 K 8 Philips	
220	0,1 $\mu F$	$\pm 20\%$	30 V	C 280 AA/P 100 K Philips	
222	0,1 $\mu F$	$\pm 20\%$	30 V	C 280 AA/P 100 K Philips	
223	0,1 $\mu F$	$\pm 20\%$	30 V	C 280 AA/P 100 K Philips	
243	0,1 $\mu F$	$\pm 10\%$	160 V	C 281 AB/A 100 K Philips	