

MODEL NO: 7898(F1,F2)

DATE: 2004-8-11

GENERAL TEST CONDITION

- 1.SUPPLY VOLTAGE: AC 230V 50HZ
- 2.FM 10.7MHZ
- 3.MODULATION: FM:22.5KHZ
- 4.Z=80HM
- 5.REF.OUTPUT :50 MW

FM 1BAND

Description		UNIT	NORMAL	LIMIT	TEST DATA
BAND COVERAGE	LOW END	MHZ	63.3	-0.3/0.5	
	HIGH END	MHZ	87.5	±0.5	
MAX.SENS.	66MHZ	DB/M	16	22	
	76MHZ	DB/M	16	22	
	85MHZ	DB/M	16	22	
QUIETING SENS (S/N 30dB)	66MHZ	DB/M	22	26	
	76MHZ	DB/M	22	26	
	85MHZ	DB/M	22	26	
IF REJ.	66MHZ	DB/M	60	40	
IMAGE REJ.	85MHZ	DB/M	25	20	
LIMITING SENS.-3DB	76MHZ	dB	15	26	
DISTORTION (AT REF.OUTPUT)		%	2.5	4	
MOD.HUM 1MV IN		dB	45	40	
FREQ.RESPONSE -6dB		HZ	200-5K	250-4.2K	
10%T.H.D. OUTPUT POWER 75K DEV.		MW	420	380	
OUTPUT MAX POWER 75K DEV.		MW	600	500	
OSC FALL OUT VOLTAGE		AC V	130	160	

FM2 BAND

Description		UNIT	NORMAL	LIMIT	TEST DATA
BAND COVERAGE	LOW END	MHZ	87.3	-0.3/+0.5	
	HIGH END	MHZ	108.5	+/-0.5	
MAX. SENS	90MHZ	DB	16	22	
	98MHZ	DB	16	22	
	106MHZ	DB	16	22	
QUIETING SENS.(S/N 30DB)	90MHZ	DB	22	26	
	98MHZ	DB	22	26	
	106MHZ	DB	22	26	
I.F. REJ.	90MHZ	DB	60	40	
IMAGE REJ.	106MHZ	DB	25	20	
LIMITING SENS.-3DB	98MHZ	DB	15	26	
MOD.HUM 1MV IN		DB	45	40	
FREQ.RESPONSE -6DB		HZ	200-5K	250-4.2K	
DISTORTION (AT REF.OUTPUT)		%	2.5	4	
10%T.H.D. OUTPUT POWER 75K DEV.		MW	420	380	
OUTPUT MAX POWER 75K DEV.		MW	600	500	
OSC FALL OUT VOLTAGE		AC V	130	160	

CHECK BY

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7898FM1/FM2 PART LIST (WITH QUARZE)

DATE: 12 August,2004

NO.	DESCRIPTION	POSITION	QUANTITY
1	Screw 2.6X8PA * 5.0	Main board *4, Transformer *1	5
2	Screw 2.6X18PA*5.0	Bottom cabinet	4
3	Screw 2.6X12PWA	Transformer	2
4	Screw 1.7X5PM	VOL knob	1
5	Screw 2.6X4PWA *6.5	Display	2
6	Screw 2.0X6PA	Transform switch	2
7	Screw 2.6X6PM	PVC button	1
8	Screw 2.6X4KM	PVC	2
9	Transformer with VDE power cord ,EL35(1.8M)	HF-35A71	1
10	Speaker in 2.25" 8Ohm 0.5W		1
11	Band switch : SK22F14G5		1
12	Function switch : SK23E01G5		1
13	Transform switch: SS22F43G10		1
14	Volume control : F-16SD50K		1
15	PVC 223DF		1
16	Battery clamp: long 180MM (red, black)		1
17	FM antenna 1.2X1000MM (black)		1
18	Wire 1.0X180MM (green, blue)	Transform switch	4
19	Wire 1.0X200MM (red, black)	Speaker wire	2
20	Wire 0.6X120MM (red, black)	Light wire	2
21	Wire 1.0X90MM (red)	Display wire	1
22	Grey wire 7PX130MM P=2.54	Keyboard	1
23	Grey wire 21PX60MM P=2.54	Display (3.5+53+3.5)	1
24	LED in green Φ 3 pin		1
25	Display in green 1.8" 24 hour		1
26	Pastern tube Φ 3X18MM		1
27	PCB 198X88X1.6MM	7898F12	1
28	PCB 90X36X1.6MM	7898K	1
29	Switch plate Φ 10MM (350g)		7
30	Rivet 2X4MM		14
31	Back plate 37X40X0.3MM		1
32	Integrate circuit LM8560(DIP)	IC2	1
33	Integrate circuit CD4060(HEF4060)DIP	IC3	1
34	Integrate circuit SP1191 (SMD)		1
35	Transistor 9013	Q3 Q4 Q1	3
36	Transistor 9014	Q2 Q5	2
37	Diode IN4001	D1 D2 D3	3
38	Switch diode IN4148	S2 R18 D4 D5 D6 D7 D8	7
39	Switch diode 8.2V 0.5W	R10	1
40	Quarze 51.2KHz(3X6MM) 20PPM	X TAL	1
41	Electric capacitor 8X10MM 30P	FM02 FMA2	2
42	Ceramic filter 10.7MHZ	MC3	1
43	FM coil 0.8X4.8X4.5T	L1 L2	2
44	FM coil 0.8X4.8X5.5T	L4	1
45	FM coil 0.8X4.8X6.5T	L3	1

46	FM coil 0.8X4.8X2.5T	L5	1
47	Intermediate (pink 312) 7X7MM		1
48	Elect capacitor 1UF 25V Φ 6X14MM	Q5	1
49	Elect capacitor 4.7UF 50V(Φ 6X14MM)	E6	1
50	Elect capacitor 47UF 25V(Φ 6X14MM)	E3	1
51	Elect capacitor 10UF 25V(Φ 6X14MM)	E8 E4 E5 E7	4
52	Elect capacitor 100UF 10V(Φ 6X14MM)	E9	2
53	Elect capacitor 220UF 16V(Φ 6X14MM)	E12 E2	2
54	Elect capacitor 470UF 10V(Φ 6X14MM)	E10	1
55	Elect capacitor 2200UF16V(Φ 12X20MM)	E1	1
56	Resistor 47 Ohm 0.25W	R9	1
57	Resistor 10 Ohm 0.25W	R17 R18	2
58	Resistor 56 Ohm 0.5W	R19 R20	2
59	Resistor 100 Ohm 0.25W	R21 R7	2
60	Resistor 1K 0.25W	R3 R6	2
61	Resistor 220 Ohm0.25W	R8	1
62	Resistor 5.6K 0.25W	R10	1
63	Resistor 10K 0.25W	R16 R14 R15	3
64	Resistor 15K 0.25W	R12	1
65	Resistor 56K 0.25W	R4	1
66	Resistor 1.5K 0.25W	R2 PVC	1
67	Resistor 100K 0.25W	R1	1
68	Resistor 150K 0.25W	R5 R11	2
69	Resistor 1M 0.25W	R13	1
70	Resistor 10K 0.25W		1
71	Mylar capacitor 103P/M	C20	1
72	Capacitor 3P	C9	1
73	Capacitor 7P(NPO)	C4 C5 C6	3
74	Capacitor 25P	C7 C10	2
75	Capacitor 22P(NPO)	C23	1
76	Capacitor 30P	C2	1
77	Capacitor 40P	C3	1
78	Capacitor 40P	C1	1
79	Capacitor 25P	C26	1
80	Capacitor 220P	C27	1
81	Capacitor 103P	C13 C16 C19 C21 C22	5
82	Capacitor 203P	C18 C28 C8 C24 C15	5
83	Capacitor 104P	C11 C12 C14 C17	4
84	Spong of battery door 42X25X8MM		1
85	Gift box		1
86	Instruction manual		1
87	Bubble bag		1
88	Polybag paper 1100X50 X0.1MM		1
89	Spong 10X10X10MM	FM coil	4

