

# 51HT FUNCTION REPORT

DC Voltages and Current into Final Amplifier

FINAL AMPLIFIER ONLY (CH55)

V BATTERY

V<sub>ce</sub> = 3.78 Voltes

I<sub>ce</sub> = 11.9 mA

Function of each electron semiconductor

device or other circuit device

<u>DESIGNATION</u>	<u>TYPE NO</u>	<u>IC·DIODE etc</u>	<u>FUNCTION</u>
IC101	TK10690M	IC	COMPRESSOR
IC102	NJM2100M(1/2)	IC(OP.AMP)	AF AMP
	NJM2100M(2/2)	IC(OP.AMP)	Low Pass Filter(For Audio)
IC103	TC7S66FU	IC	ANALOG SWITCH(For Audio)
IC104	TC7SU04FU	IC	INVERTER(For Tone)
IC105	TC7S66FU	IC	ANALOG SWITCH(For Tone)
IC106	BR93LC56AF	IC	EEPROM
IC107	MC68HC705P6CDW	IC	CONTROL CPU
IC108	MB15A01	IC	PLL FREQUECY SYNTHESZER LSI
IC109	NJM2100M(1/2)	IC(OP.AMP)	MIC AF AMP
	NJM2100M(2/2)	IC(OP.AMP)	Low Pass Filter(For Tone)
IC201	XC61CN2102PR		VOLTAGE COMPARATOR
Q101	2SC4116B	TRANSISTOR	MIC AMPLIFIER
Q102	DTA143ZUA	TRANSISTOR	LOCK DET
Q103	DTA143ZUA	TRANSISTOR	POWER SAVE
Q104	DTC114TUA	TRANSISTOR	POWER SAVE
Q105	DTA143ZUA	TRANSISTOR	LOCK SWITCH
Q106	2SC4227	TRANSISTOR	MNLTIPPLIER
Q107	2SC4227	TRANSISTOR	R.F.POWER AMPLIFIER
Q201	2SD1328TorS	TRANSISTOR	TIMING
Q202	DTA114YK	TRANSISTOR	LED DRIVE
Q203	DTA114YK	TRANSISTOR	LED DRIVE

DESIGNATION	TYPE NO	IC·DIODE etc	FUNCTION
Q301	2SD1819R	TRANSISTOR	DC-DC CONVERTER
Q302	2SD1328TorS	TRANSISTOR	DC-DC CONVERTER
Q303	2SK209GR	FET	DC-DC CONVERTER
Q401	2SK508L	FET	OSC and MODULATION
Q402	2SC4227	TRANSISTOR	Buffer Amplifier
D101	IMN10	DIODE	CHANNEL SELECTOR
D102	IMN10	DIODE	CHANNEL SELECTOR
D103	MA111	DIODE	Low Pass Filter(For PLL)
D107	MA111	DIODE	CHANNEL SELECTOR
D108	MA111	DIODE	CHANNEL SELECTOR
D109	MA77	DIODE	REVERSE BLOCK
D111	DA204U	DIODE	LIMITER
D112	DA204U	DIODE	LIMITER
D201	HSM107S	DIODE	POWER SWITCH
D202	SPR-39MVWF	LED	INDICATOR
D301	MA721	DIODE	DC/DC CONVERTOR (Rectificatio)
D302	MA8047M	DIODE	DC/DC CONVERTOR (Standard Voltage)
D401	1SV229	DIODE	VCO MODULLATION
D402	1SV229	DIODE	VCO MODULLATION (For Audio)