

3.FUNCTION REPORT

DC Voltage and Current into Final Amplifier

FINAL AMPLIFIER Q205 Freq=649.875MHz

Power Supply = AA TYPE BATTERY X 2 (3.0V)

Vce = 3.2V

Ic = 30mA

Each function of semiconductors

MAIN BOARD

REFERENCE NO.	TYPE	CATEGORY	FUNCTION
IC104	NJM2100M(1/2)	IC	PRE EMPHASIS
	NJM2100M(2/2)	IC	MIC AF AMP
IC303	NJM2100M	IC	AF LEVEL DETECT
IC103	TK10690M	IC	COMPRESSOR
IC201	MB15E03LPFV	IC	PLL FREQUENCY SYNTHESIZER LSI
IC501	XC9103D091MR	IC	DC-DC CONVERTER IC
IC203	NJU7250F30	IC	VOLTAGE REGULATOR
IC404	NJU7250F30	IC	VOLTAGE REGULATOR
IC401	UPD789418A	IC	CPU
IC202	SV650ET	IC	VCO
IC301	TC7SU04FU	IC	TONE OSC
IC302	TC7S66FU	IC	ANALOG SW
IC402	PST597K	IC	RESET
IC403	M93C46-MN6	IC	MEMORY
D201	DA204U	DIODE	BACK CURRENT BLOCK
D501	MA111	DIODE	BACK CURRENT BLOCK
D301	1SS383	DIODE	RECTIFICATION
D502	MA22D28	DIODE	RECTIFICATION
ZD101	MAZ8056	DIODE	LIMITTER
ZD102	MAZ8056	DIODE	LIMITTER
Q105	2SA1312BL	TRANSISTOR	AF AMP
Q103	2SC3324G	TRANSISTOR	AF AMP
Q104	2SC3324G	TRANSISTOR	AF AMP
Q205	2SC3356L	TRANSISTOR	RF AMP
Q203	2SC4227	TRANSISTOR	RF AMP
Q204	2SC4227	TRANSISTOR	RF AMP
Q501	2SD1819R	TRANSISTOR	POWER SWITCH
Q502	SSM3J13T	TRANSISTOR	POWER SWITCH
Q503	XP161A1355PR	TRANSISTOR	DC/DC CONVERTER DRIVE
Q123	2SA1588Y-ZY	TRANSISTOR	AF MUTE
Q122	DTC114TU	TRANSISTOR	AF MUTE
Q121	DTA143ZU	TRANSISTOR	AF MUTE
Q201	DTA143ZU	TRANSISTOR	VCO MUTE
Q208	DTC123JUA	TRANSISTOR	VCO MUTE
Q206	DTA143ZU	TRANSISTOR	RF MUTE
Q209	DTC123JUA	TRANSISTOR	RF MUTE
Q304	DTA143ZU	TRANSISTOR	PEAK LED SWITCH
Q207	DTC114TU	TRANSISTOR	RF POWER SWITCH(DISABLED)
Q302	DTC114TU	TRANSISTOR	POWER LED SWITCH
Q303	DTC114TU	TRANSISTOR	POWER LED SWITCH
LED302	SML-A12DT	LED	PEAK LED
LED401	SML-A12DT	LED	LCD BACK LIGHT
LED402	SML-A12DT	LED	LCD BACK LIGHT
LED301	CL-375HRYG	LED	POWER LED