

35BT FUNCTION REPORT

DC Voltages and Current into Final Amplifier

FINAL AMPLIFIER ONLY Q302 F=578.125MHz

3 V BATTERY

V_{ce}= 4 V

I_{ce}= 12 mA

Function of each electron semiconductor

device or other circuit device MAIN BOARD

<u>DESIGNATION</u>	<u>TYPE NO</u>	<u>IC·DIODE</u>	<u>FUNCTION</u>
IC1	NJM2100M	IC(OP.AMP)	MIC AF AMP
	NJM2100M(2/2)	IC(OP.AMP)	PRE EMPHASIS
IC2	TK10690M	IC	COMPRESSOR
IC500	MB15E03LPFV	IC	PLL FREQUENCY SYNTHESIZER LSI
IC900	XC6371B501PR	IC	DC-DC CONVERTERS IC
IC901	NJU7201U30	IC	VOLTAGE REGULATOR
IC100	NJM2100M	IC	AF LEVEL DRIVE
IC501	SV290	IC	VCO
IC3	TC7SU04FU	IC	TONE OSC
IC9	TC7S66FU	IC	TONE BUFFER
Q1	2SC4116BL	TRANSISTOR	LOW PASS FILTER
Q2	DTA143ZUA	TRANSISTOR	AF MUTE
Q3	DTC114TUA	TRANSISTOR	AF MUTE
Q500	DTC124EUA	TRANSISTOR	PLL LD
Q302	DTA143ZUA	TRANSISTOR	TX CONTROL
Q9	DTA143ZUA	TRANSISTOR	REVERSE BLOCK
Q10	DTC114TUA	TRANSISTOR	REVERSE BLOCK
Q300	2SC4227	TRANSISTOR	R.F.POWER AMP

Q301	2SC4227	TRANSISTOR	R.F.POWER AMP
Q303	2SC4227	TRANSISTOR	R.F.POWER AMP
Q901	2SB956S	TRANSISTOR	POWER SWITCH
Q900	2SD1819R	TRANSISTOR	POWER SWITCH
Q902	2SD1328T	TRANSISTOR	DC/DC CONVERTERS DRIVE
D1	MA111	DIODE	LIMITTER
D2	MA111	DIODE	LIMITTER
D3	DA204U	DIODE	LIMITTER
D4	DA204U	DIODE	LIMITTER
D5	DA204U	DIODE	LIMITTER
D6	DA204U	DIODE	LIMITTER
D501	DA204U	DIODE	LOW PASS FILTER
D500	MA111	DIODE	REVERSE BLOCK
D900	MA111	DIODE	REVERSE BLOCK
D901	MA721	DIODE	Rectification
D13	MA111	DIODE	REVERSE BLOCK
D16	MA111	DIODE	REVERSE BLOCK
D100	DA204U	DIODE	AF SIGNAL DETECTION

CONTROL(LCD)

IC2	PST597D	IC	RESET
IC4	M93C46	IC	MEMORY
IC5	UPD78F9418A	IC	CPU
D2	RB715F	DIODE	REVERSE BLOCK