

15BT FUNCTION REPORT

DC Voltages and Current into Final Amplifier

FINAL AMPLIFIER ONLY Q206 F=578.250MHz

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
IC6	MB15E03LPFV	IC	PLL FREQUENCY SYNTHESIZER LSI
IC7	XC6371B501PR	IC	DC-DC CONVERTERS IC
IC8	NJU7201U30	IC	VOLTAGE REGULATOR
IC10	XC61CN2102PR	IC	VOLTAGE DETECTOR
IC203	SV290	IC	VCO
IC3	TC7SU04FU	IC	TONE OSC
IC4	PST597K	IC	RESET
IC5	UPD78F9076MC	IC	CPU
IC9	TC7S66FU	IC	TONE BUFFER
Q1	2SC4116BL	TRANSISTOR	LOW PASS FILTER
Q2	DTC114TUA	TRANSISTOR	AF MUTE
Q3	DTC114TUA	TRANSISTOR	AF MUTE
Q4	DTC114TUA	TRANSISTOR	AF MUTE
Q5	DTA143ZUA	TRANSISTOR	LED DRIVE
Q6	DTA143ZUA	TRANSISTOR	LED DRIVE

Q203	DTA143ZUA	TRANSISTOR	TX CONTROL
Q9	DTA143ZUA	TRANSISTOR	VCO CONTROL
Q10	DTC114TUA	TRANSISTOR	REVERSE BLOCK
Q204	2SC4227	TRANSISTOR	R.F.POWER AMP
Q205	2SC4227	TRANSISTOR	R.F.POWER AMP
Q206	2SC4227	TRANSISTOR	R.F.POWER AMP
Q14	2SB956S	TRANSISTOR	POWER SWITCH
Q15	2SD1819R	TRANSISTOR	POWER SWITCH
Q16	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
D7	DA204U	DIODE	LOW PASS FILTER
D8	MA111	DIODE	REVERSE BLOCK
D9	MA111	DIODE	REVERSE BLOCK
D10	MA111	DIODE	REVERSE BLOCK
D12	MA721	DIODE	Rectification