

51BT FUNCTION REPORT

DC Voltages and Current into Final Amplifier

FINAL AMPLIFIER ONLY

Vce= 4.9 Voltes

Ice= 8.5 mA

Function of each electron semiconductor

device or other circuit device

<u>DESIGNATION</u>	<u>TYPE NO</u>	<u>IC-DIODE</u>	<u>FUNCTION</u>
IC1	UPC4570G(1/2)	IC(OP.AMP)	MIC AF AMP
IC2	UPC4570G(2/2)	IC(OP.AMP)	COMPRESSOR GAIN AMP
IC2	TK10690M	IC	COMPRESSOR
IC3	TC7SU04FC	IC	INVERTER
IC4	PST597K	IC	RESET
IC5	UPD78F9076MC	IC	CONTROL CPU
IC6	MB15E03LPFV	IC	PLL FREQUENCY SYNTHESIZER LSI
IC7	NJU7201U50	IC	VOLTAGE REGULATOR
IC8	NJU7201U30	IC	VOLTAGE REGULATOR
IC9	TC7S66FU	IC	ANALOG SWITCH
Q1	2SC4116B	TRANSISTOR	LOW PASS FILTER
Q3	DTC114TUA	TRANSISTOR	AF MUTE
Q4	DTC114TUA	TRANSISTOR	AF MUTE
Q5	DTA143ZUA	TRANSISTOR	LED INDICATOR
Q6	DTA143ZUA	TRANSISTOR	LED INDICATOR
Q7	2SC4116BL	TRANSISTOR	LED INDICATOR
Q8	DTC114TUA	TRANSISTOR	VCO CONTROL
Q9	DTA143ZU	TRANSISTOR	VCO CONTROL
Q10	DTC114TUA	TRANSISTOR	TX CONTROL
Q11	2SA1588Y	TRANSISTOR	TX CONTROL
Q12	2SC4227	TRANSISTOR	MULTIPLIER
Q13	2SC4227	TRANSISTOR	R.F.POWER AMP

DESIGNATION	TYPE NO	IC·DIODE	FUNCTION
Q14	2SB956S	TRANSISTOR	POWER SWITCH
Q15	2SD1819R	TRANSISTOR	POWER SWITCH
Q101	2SK508L	FET	OSC AND MODULATON
Q102	2SC4227	TRANSISTOR	BUFFER AMP
D1	MA111	DIODE	LIMITER
D2	MA111	DIODE	LIMITER
D3	DA204U	DIODE	LIMITER
D4	DA204U	DIODE	LIMITER
D5	DA204U	DIODE	LIMITER
D6	DA204U	DIODE	LIMITER
D7	DA204U	DIODE	LOW PASS FILTER
D8	DA204U	DIODE	REVERSE BLOCK
D9	MA111	DIODE	REVERSE BLOCK
D10	MA111	DIODE	REVERSE BLOCK
D11	MA77	DIODE	RF SWITCH
D101	1SV229	DIODE	MODULLATION
D102	1SV229	DIODE	MODULLATION