

## 70-1494 VOLTAGE CHARTS(1/6)

### TRANSISTOR

SYMBOL	TYPE	MODE	BASE	EMITTER	COLLECTOR	FUNCTION
Q201	2SC 3356-T1B-A	RX	1.76	1.11	7.96	RF Amp
Q205	RT1N241C-T112-1	-	0	0	12.7	Switch
Q206	RT1N241C-T112-1	RX	0	0	13.4	Switch
		TX	3.2	0	0.1	
Q301	RT1N241C-T112-1	-	4.9	0	0	Switch
			0	0	4.9	
Q302	2SC2462LCTR-E		9.3~11.1	8.8~10.7	13.1	Switch
Q303	2SD1421EDTR-E	-	8.8~10.5	8.1~10.0	13.1	Switch
Q304	RT1N241C-T112-1	-	0	0	9.2~11.1	Switch
Q401	2SC2462LCTR-E	RX	0	0	4.9	Switch
		TX	0.6	0	4.2	
Q402	2SC2462LCTR-E	RX	0	0	0.7	Switch
		STANDBY RX BUSY	0	0	0.7	
Q403	2SC2462LCTR-E	RX	0	0	0	Switch
		TX	-	0	2.5	
Q404	RT1N241C-T112-1	-	0	0	4.8	Switch
Q405	RT1N241C-T112-1	RX	0	3.7	0	Switch
		STANDBY RX BUSY	0	0.2	4.9	
Q408	RT1N241C-T112-1	-	4.9	0	0	Switch
Q506	2SC2462LCTR-E	RX	0	0	13.4	Switch
		TX	0.7	0	0.1	
Q507	2SB945Q/P	RX	13.3	13.3	0	APC
		TX	12.0	12.5	8.0	
Q509	2SC2462LCTR	RX	0	0	13.4	APC
		TX	1.5	0.6	12.0	

## 70-1494 VOLTAGE CHARTS(2/6)

### TRANSISTOR

SYMBOL	TYPE	MODE	BASE	EMITTER	COLLECTOR	FUNCTION
Q701	2SA1121CSCTR-E	-	-	-	7.3	Charge Pump
Q702	2SC2462 LCTR-E	-	-	-	0	Charge Pump
Q703	2SA1121CSCTR-E	-	-	-	7.3	Charge Pump
Q704	2SC2462LCTR-E	-	-	-	0	Charge Pump
Q705	RT1N241-T112-1	-	5.0	0	0	Switch
Q707	2SC3356-T1B	RX TX	0.7 1.8	0 1.1	1 7.8	Pre Amp
Q708	2SC3357-T1A	RX TX	0.7 1.0	0 0.4	0 8.0	Pre Amp
Q709	2SA1576A-T106-R	-	4.9	4.8	0	Switch
Q715	2SB1197K-T146-Q	RX TX	0 0	8.1 8.1	0 7.9	Filter
Q716	2SD596DV3-T1	-	7.9	7.3	8.0	Filter
Q717	2SC3357-T1A	RX TX	1.0 0	0.3 0	5.8 0	Local Amp
Q901	2SC2462LCTR	-	8.6	8.0	13.3	Switch
Q902	RT1N241C-T112-1	POWER OFF POWER ON	0 4.0	0 0	13.3 0	Switch
Q904	RT1N241C-T112-1	NARROW RX WIDE RX	4.9 0	0 0	4.9 4.9	Switch

## 70-1494 VOLTAGE CHARTS(3/6)

### FET

SYMBOL	TYPE	MODE	GATE	DRAIN	SOURCE	FUNCTION
Q203	2SK508K52	-	0	7.4	0.5	IF Amp
Q204	2SK360 IGETR-E	-	7.9	0.6	0	IF Amp
Q502	RD06HVF1	RX	0	13.4	0	Power Amp
		TX	3.0	12.5	0	
Q503	RD30HVF1	RX	0	13.4	0	Power Amp
		TX	2.6	12.5	0	
Q504	RD100HHF1	RX	0	13.4	0	Power Amp
		TX	4.0	12.5	0	
Q505	RD100HHF1	RX	0	13.4	0	Power Amp
		TX	4.0	12.5	0	
Q706	2SK508K52	RX	0	5.1	1.0	VCO
		TX	0	6.3	1.0	
Q903	2SJ246STR-E	POWER OFF	13.3	1.3	13.5	Switch
		POWER ON	0	12.7	12.7	

### TRANSISTOR PACKS

SYMBOL	TYPE	MODE	1	2	3	4	5	6
Q406	UMH1N- T112-1	-	0	4.9	0	0	0	0
Q407	UMH1N- T112-1	-	0	0	3.6	0	0	3.6
Q710	UMH1N- T112-1	-	0	0	0	0	4.8	-
Q713	UMB10N- TN	RX	7.3	0	0	7.3	7.9	7.0
		TX	7.3	7.3	7.3	7.3	0	0
Q714	UMH1N-T N(H1)	RX	0	5.0	7.9	0	0.7	0
		TX	0	0.1	0	0	5.6	7.3

## 70-1494 VOLTAGE CHARTS(4/6)

### INTEGRATED CIRCUITS, 8 to 16Pins

SYM BOL	TYPE	MODE	PIN NO.							
			1	2	3	4	5	6	7	8
IC202	TA31136FNG(EL)	-	4.6	4.1	3.4	4.7	4.3	4.3	0.6	0.6
IC203	TDA1519C	RX	1.6	0	6.4	6.3	0	6.5	13.4	13.4
IC306	74HC367FPEL-E	MIC	0	5.0	0	5.0	0	5.0	0	5.0
		PROGRAMER	0	0	0	0	5.0	0	0	0
IC402	BA3308F-E2	-	1.7	0	-	0	8	-	0	-
IC403	MF6CWMX-50- 14W-L	-	3.8	3.6	3.9	2.5	2.5	4.9	2.5	2.5
IC404	BA14741F-E2	-	2.5	2.5	2.4	4.9	2.4	2.5	2.5	2.5
IC405	BA14741F-E2	-	2.5	2.5	2.5	4.9	2.5	2.5	2.2	2.4
IC406	HD14053 BFELG	RX	2.4	2.5	2.7	2.7	4.9	4.9	0	2.5
		TX	2.4	2.5	2.7	2.7	4.9	0	0	0
IC407	BU4066BCFV-E2	NARROW RX	2.5	2.5	3.0	3.0	5.0	5.0	0	2.5
		NARROW TX	2.5	2.5	3.0	3.0	3.0	0	0	0
		WIDE RX	2.5	2.5	3.0	3.0	5.0	5.0	0	2.5
		WIDE TX	2.5	2.5	3.0	3.0	5.0	0	0	0
IC408	$\mu$ PC1251G-E1	SQ ON	3.6	0~1.3	0~1.7	0	2.4	3.6	3.6	4.9
		SQ OFF	0.7	0~1.3	0~1.7	0	2.4	0.7	0.7	4.9
IC409	$\mu$ PC1251G-E1	-	2.4	2.4	2.4	0	2.4	2.4	2.4	4.9
IC410	BU4S66G2-TR	-	2.4	0	0	0	4.9	-	-	-
IC411	BU4S66G2-TR	-	2.4	2.4	0	4.9	4.9	-	-	-
IC412	TC4W53FU (TE12L.F)	-	2.5	0	0	0	0	2.1	2.5	4.9
IC413	TC4W53FU (TE12L.F)	-	2.5	0	0	0	0	2.4	2.4	4.9
IC701	MB1504PF-G- BND	-	2.2	2.2	4.7	4.7	0	0	4.7	3.3
IC702	BU4066BCFV-E2	-	0.9	0	3.5	0	0	0	0	0.9
IC902	AT24C32N-10SU- 2.7	-	0	0	0	0	-	-	-	4.9

## 70-1494 VOLTAGE CHARTS(5/6)

### INTEGRATED CIRCUITS, 8 to 16Pins (cont.)

SYMB OL	TYPE	MODE	PIN NO.							
			9	10	11	12	13	14	15	16
IC202	TA31136FNG (EL)	-	0.8	4.7	3.8	-	-	-	-	-
IC203	TDA1519C	RX	1.6	-	-	-	-	-	-	-
IC306	74HC367FPEL- E	MIC	5.0	5.0	5.0	5.0	0	5.0	-	-
		PROGRAMER	5.0	0	5.0	0	5.0	5.0	-	-
IC402	BA3308F-E2	-	0	2.2	1.7	-	-	-	-	-
IC403	MF6CWMX-50- 14W-L	-	0	0	4.9	0	0.2	4.0	-	-
IC404	BA14741F-E2	-	2.5	2.5	0	2.4	2.6	2.6	-	-
IC405	BA14741F-E2	-	2.5	2.5	0	2.5	2.5	2.5	-	-
IC406	MC14053 BFELG	RX	4.9	4.9	4.9	2.5	2.4	2.4	2.4	4.9
		TX	0	0	0	2.5	0	2.5	1.7	4.9
IC407	BU4066BCFV- E2	NARROW RX	2.5	2.5	2.5	0	0	5.0	-	-
		NARROW TX	2.5	2.9	2.5	0	0	5.0	-	-
		WIDE RX	2.5	2.5	2.5	5.0	5.0	5.0	-	-
		WIDE TX	2.5	2.9	2.5	5.0	5.0	5.0	-	-
IC702	BU4066BCFV- E2	-	0.9	7.2	0	0	0	7.2	-	-

## 70-1494 VOLTAGE CHARTS(6/6)

### INTEGRATED CIRCUITS, Over 17Pins

SYMB OL	TYPE	MODE	PIN NO.							
			1	2	3	4	5	6	7	8
IC401	AK2368-E1	RX	2.5	2.5	2.4	2.4	2.7	2.4	0	4.9
		TX	2.5	2.5	2.4	2.4	2.7	2.4	0	4.9

SYMB OL	TYPE	MODE	PIN NO.							
			9	10	11	12	13	14	15	16
IC401	AK2368-E1	RX	0	0	0	4.9	0	0	2.4	4.9
		TX	0	0	0	4.9	0	0	2.4	4.9

SYM BOL	TYPE	MODE	PIN NO.							
			17	18	19	20	21	22	23	24
IC401	AK2368-E1	RX	2.5	2.5	2.6	-	-	2.5	2.5	2.5
		TX	2.5	2.5	2.6	-	-	2.5	2.5	2.5

### INTEGRATED CIRCUITS

SYMBOL	TYPE	MODE	1	2	3	4
IC204	HA178L05UA-TL-E	-	0	5.0	8.0	-
IC301	HA178L05UA-TL-E	-	5.0	0	12.2	-
IC303	RN5VD45AA-TR-F	-	5.0	0	5	-
IC703	μPC1675G-T1	-	0	4.3	5.2	1.1
IC704	μPC1675G-T1	RX/TX	0/0	3.7/0	4.4/0	1.0/0
IC705	μPC1675G-T1	RX/TX	0/0	4.2/4.3	5.2/5.2	1.1/1.1
IC904	NJM7808DL1A-TE1	-	0	5.0	7.4	-
IC905	HA178L05UA-TL-E	-	5.0	0	5.0	-
IC906	RH5VL45AA-T1-F	-	0	8.0	13.6	-
IC907	XC61CC4102MR	-	4.9	0	4.9	-
IC910	RH5RL50AA-T1-F	-	4.9	0	4.9	-