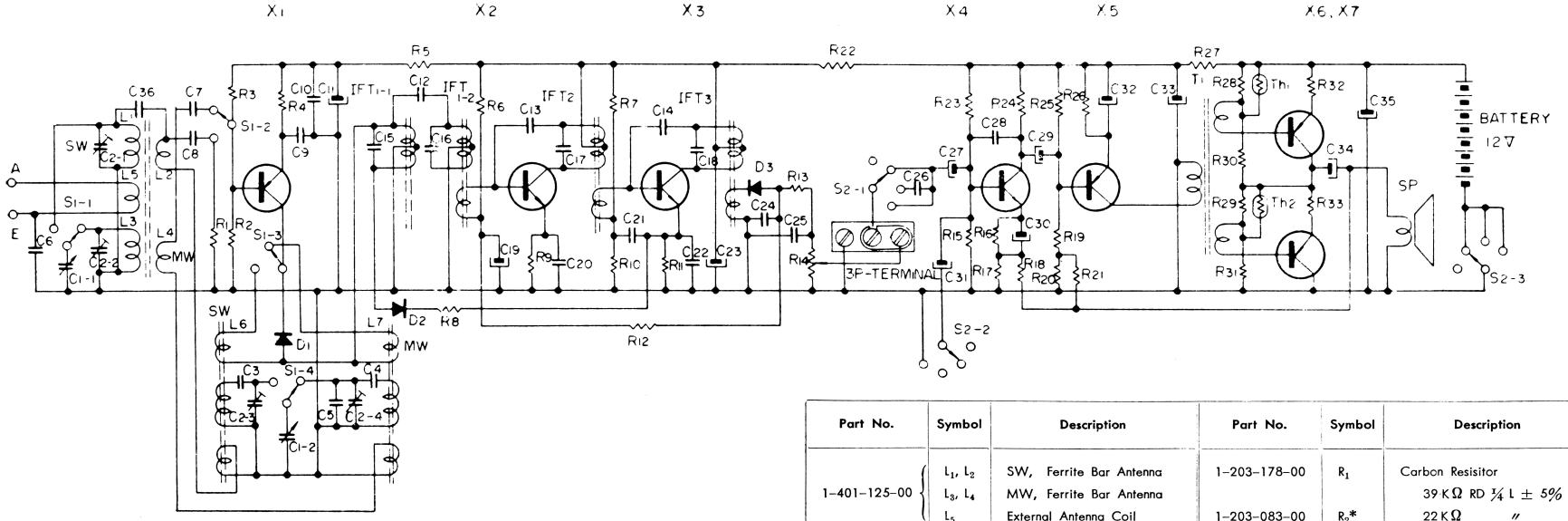
Schematic Diagram for TR-726



—Continued—

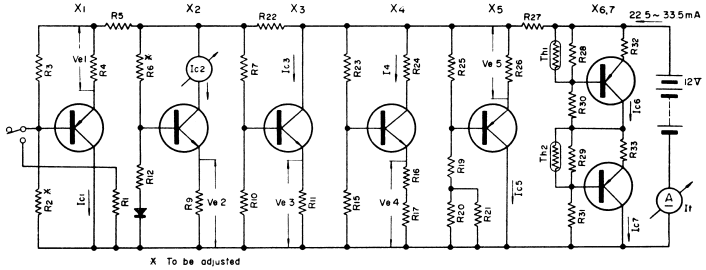
Part No.	Symbol	Description
1-203-039-00	R_{31}	Carbon Resistor 1.5 KΩ RD ¼ L ± 5%
1-203-613-00	R_{32}	1 Ω 〃
1-203-613-00	R_{33}	1 Ω 〃
1-151-056-00	C_1	Tuning Capacitor 2 gang
1-141-117-	C_2	Trimmer Capacitor 4 unit
1-103-073-	C_3	Capacitor 3000 pF ± 5% Styrol
1-103-012	C_4	370 pF 〃 〃
1-101-039-00	C_5	10 pF ± 10% Ceramic
1-101-072-00	C_6	0.01 μF ± $^{80}_{20}$% 〃
1-101-133-00	C_7	0.001 μF 〃 〃
1-101-133-00	C_8	0.001 μF 〃 〃
1-101-003-00	C_9	0.005 μF 〃 〃
1-101-072-00	C_{10}	0.01 μF 〃 〃
1-121-115-	C_{11}	100 μF 10 V Electrolytic
1-103-088-	C_{12}	20 pF ± 5% Styrol
1-101-046-00	C_{13}	2 pF ± 0.5% Ceramic
1-101-046-00	C_{14}	2 pF 〃 〃
	C_{15}	180 pF built in IFT
	C_{16}	180 pF 〃
	C_{17}	180 pF 〃
	C_{18}	180 pF 〃

Part No.	Symbol	Description
1-121-103-	C_{19}	Capacitor 10 μF 6 V ± $^{150}_{10}$% Electrolytic
1-101-073-00	C_{20}	0.02 μF ± $^{80}_{20}$% Ceramic
1-101-072-00	C_{21}	0.01 μF 〃 〃
1-101-073-00	C_{22}	0.02 μF 〃 〃
1-121-120-	C_{23}	100 μF 12 V ± $^{150}_{10}$% Electrolytic
1-101-072-00	C_{24}	0.01 μF ± $^{80}_{20}$% Ceramic
1-101-072-00	C_{25}	0.01 μF 〃 〃
1-105-015-	C_{26}	0.1 μF ± 20% Maylar
1-121-103-	C_{27}	10 μF 6 V ± $^{150}_{10}$% Electrolytic
1-101-003-00	C_{28}	0.005 μF ± $^{80}_{20}$% Ceramic
1-121-102-	C_{29}	30 μF 6 V ± $^{150}_{10}$% Electrolytic
1-121-102-	C_{30}	30 μF 〃 〃
1-127-904-	C_{31}	1 μF 10 V ± $^{50}_{20}$% Alox
1-121-120-	C_{32}	100 μF 12 V ± $^{150}_{10}$% Electrolytic
1-121-121-	C_{33}	200 μF 12 V 〃 〃
1-121-154-	C_{34}	200 μF 12 V 〃 〃 (low I_{oss})
1-121-121-	C_{35}	200 μF 12 V 〃 〃
1-101-047-00	C_{36}	3 pF ± 0.5 pF Ceramic

Part No.	Symbol	Description
1-401-125-00	L_1, L_2	SW, Ferrite Bar Antenna
	L_3, L_4	MW, Ferrite Bar Antenna
	L_5	External Antenna Coil
1-405-003-00	L_6	SW, Oscillator Coil
1-405-004-12(14)	L_7	MW, Oscillator Coil
1-513-131	$S_{1-1\sim4}$	Band Setting Switch
1-221-087	$S_{2-1\sim2}$	Tone Control Switch
1-221-087	S_{2-3}	Power Switch
1-403-034	IFT_{1-1}	IF Transformer
1-403-034	IFT_{1-2}	〃
1-403-035	IFT_2	〃
1-403-036	IFT_3	〃
1-423-046	T_1	Driving Transformer
1-502-059	SP	Speaker 8Ω
	X_1	Transistor 2SA70
	X_2	〃 2SA76
	X_3	〃 2SA76
	X_4	〃 2SD65
	X_5	〃 2SB52
	X_6	〃 2SB145
	X_7	〃 2SB145
	D_1	Diode 2T26
	D_2	〃 2T23
	D_3	〃 2T23
	Th_1	Thermistor S-90
	Th_2	〃 S-90

Part No.	Symbol	Description
1-203-178-00	R_1	Carbon Resisitor 39 KΩ RD ¼ L ± 5%
1-203-083-00	R_2*	22 KΩ 〃
1-203-050-00	R_3	2.7 KΩ 〃
1-203-049-00	R_4	2.2 KΩ 〃
1-203-049-00	R_5	2.2 KΩ 〃
1-203-100-00	R_6	100 KΩ 〃
1-203-700-00	R_7	24 KΩ 〃
1-203-031-00	R_8	1 KΩ 〃
1-203-026-00	R_9	470 Ω 〃
1-203-049-00	R_{10}	2.2 KΩ 〃
1-203-018-00	R_{11}	220 Ω 〃
1-203-065-00	R_{12}	5.6 KΩ 〃
1-203-026-00	R_{13}	470 Ω 〃
	R_{14}	Potentiometer 5 KΩ
1-023-069-00	R_{15}	Carbon Resistor 10 KΩ RD ¼ L ± 5%
1-203-039-00	R_{16}	1.5 KΩ 〃
1-203-003-00	R_{17}	10 Ω 〃
1-203-075-00	R_{18}	15 KΩ 〃
1-203-129-00	R_{19}	27 KΩ 〃
1-203-011-00	R_{20}	100 Ω 〃
1-203-018-00	R_{21}	220 Ω 〃
1-203-049-00	R_{22}	2.2 KΩ 〃
1-203-095-00	R_{23}	47 KΩ 〃
1-203-064-00	R_{24}	4.7 KΩ 〃
1-203-058-00	R_{25}	3.3 KΩ 〃
1-203-018-00	R_{26}	220 Ω 〃
1-203-011-00	R_{27}	100 Ω 〃
1-203-010-00	R_{28}	82 Ω 〃
1-203-010-00	R_{29}	82 Ω 〃
1-203-039-00	R_{30}	1.5 KΩ 〃

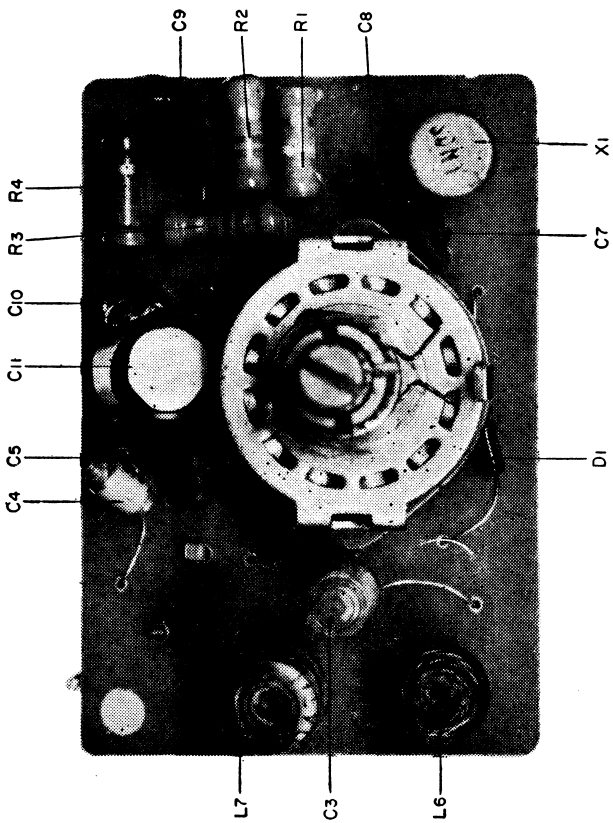
SONY MODEL TR-726



	Collector Current Ic	Emitter Voltage (Ve)		Collector Current Ic	Emitter Voltage (Ve)
X_1 MW	150~170 μA	0.332~0.376 V	X_4	900~1200 μA	1.35~1.8 V
X_1 SW	280~320 μA	0.615~0.706 V	X_5	3.7~5.0 mA	0.815~1.1 V
X_2	330~370 μA	0.155~0.175 V	X_6	7~10 mA	
X_3	800~1000 μA	0.16~0.22 V	X_7	7~10 mA	

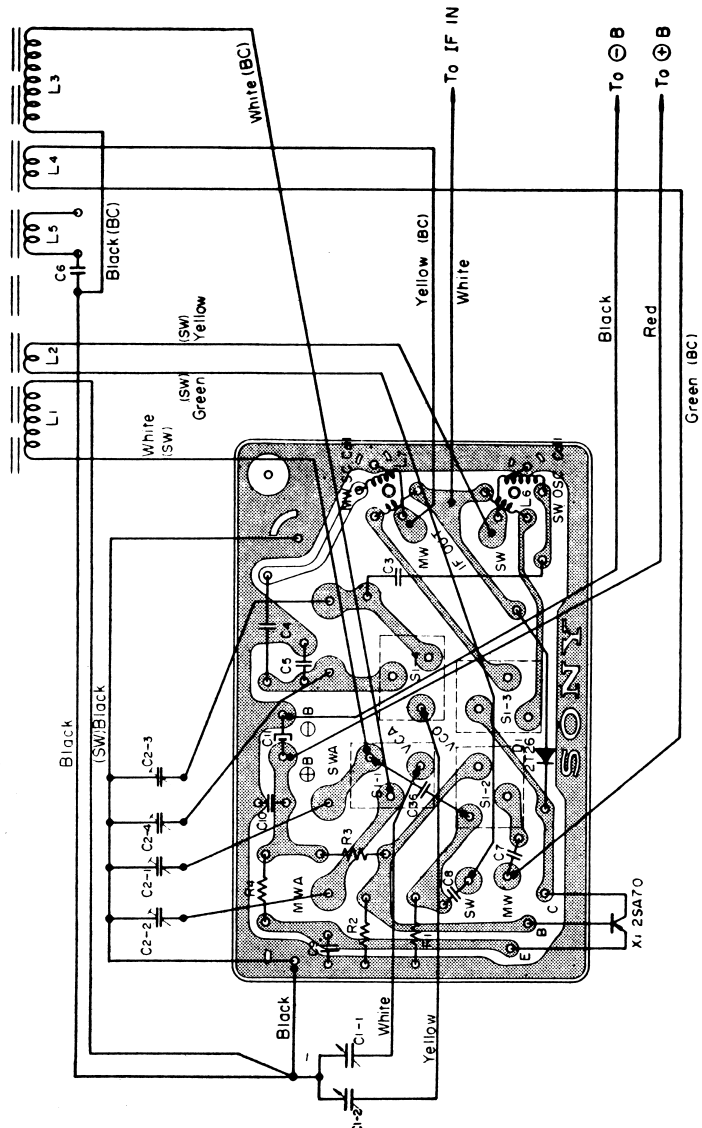
Mounting Diagram for TR-726 (Parts Side)

—RF Section—



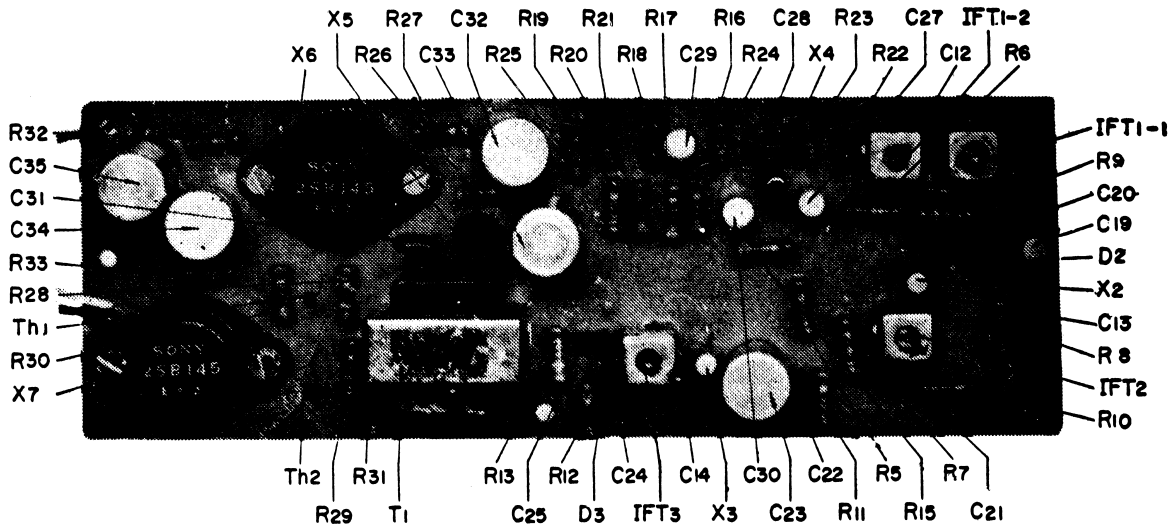
Mounting Diagram for TR-726 (Printed Side)

—RF Section—

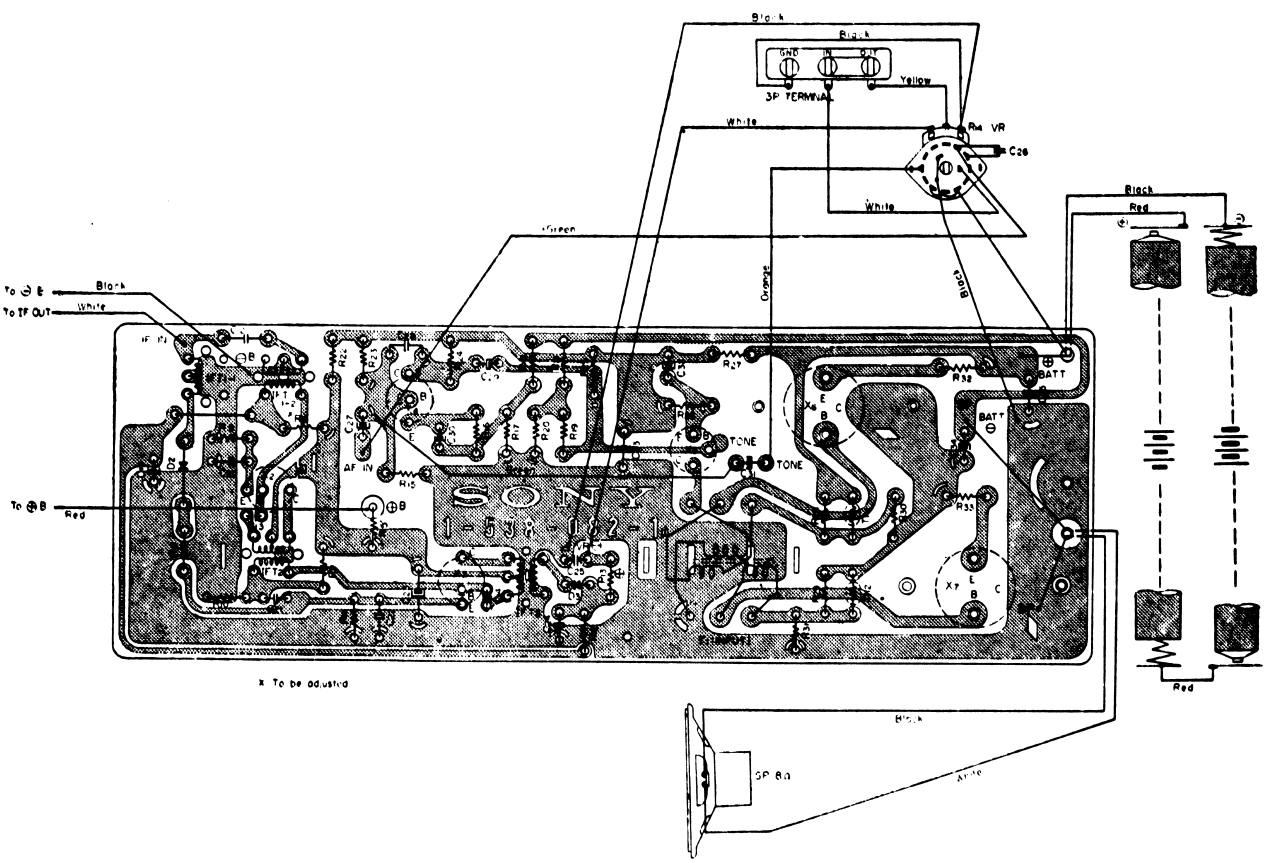


Mounting Diagram for TR-726 (Parts Side)

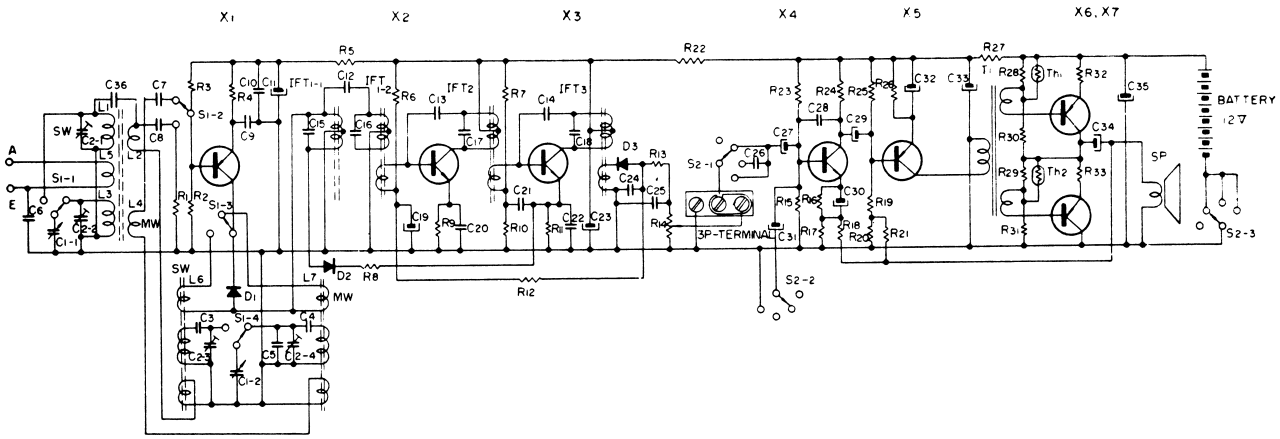
—IF-AF Section—



—IF-AF Section—



Schematic Diagram for TR-726 & TR-726Y



Electronic Parts List for TR-726 & TR-726Y

Part No.	Symbol	Description	Part No.	Symbol	Description
					Carbon Resistor
1-401-125-00 (1-401-121-00)	$L_{1,2}$	SW, Ferrite Bar Antenna	1-203-050-00	R_3	2.7 KΩ RD ¼ I ±5%
	$L_{3,4}$	MW, Ferrite Bar Antenna	1-203-049-00	R_4	2.2 KΩ 〃
	L_5	External Antenna Coil	1-203-049-00	R_5	2.2 KΩ 〃
1-405-003-00	L_6	SW, Oscillator Coil	1-203-100-00	*R_6	100 KΩ 〃
-405-004-12 (14)	L_7	MW, Oscillator Coil	1-203-700-00	R_7	24 KΩ 〃
1-513-131-00	$S_{1-1\sim4}$	Band Setting Switch	1-203-031-00	R_8	1 KΩ 〃
1-221-087-00	$S_{2-1\sim2}$	Tone Control Switch	1-203-026-00	R_9	470 Ω 〃
1-221-087-00	$S_{2\sim3}$	Power Switch	1-203-049-00	R_{10}	2.2 KΩ 〃
1-403-034-00	IFT_{1-1}	IF Transformer	1-203-018-00	R_{11}	220 Ω 〃
1-403-034-00	IFT_{1-2}	〃	1-203-065-00	R_{12}	5.6 KΩ 〃
1-403-035-00	IFT_2	〃	1-203-026-00	R_{13}	470 Ω 〃
1-403-036-00	IFT_3	〃	1-221-087-00	R_{14}	Potentiometer 5 KΩ
1-423-046-00	T_1	Driver Transformer			Carbon Resistor
1-502-059-00	SP	Speaker 8 Ω	1-203-069-00	R_{15}	10 KΩ RD ¼ I ±5%
	X_1	Transistor 2SA70	1-203-039-00	R_{16}	1.5 KΩ 〃
	X_2	〃 2SC76	1-203-001-00	R_{17}	5.1 Ω 〃
	X_3	〃 2SC76	(1-203-003-00)		(10 Ω 〃
	X_4	〃 2SD65	1-203-075-00	R_{18}	15 KΩ 〃
	X_5	〃 2SB51	1-203-129-00	R_{19}	27 KΩ 〃
	X_6	〃 2SB26	1-203-011-00	R_{20}	100 Ω 〃
	X_7	〃 2SB26	1-203-018-00	R_{21}	220 Ω 〃
	D_1	Diode 1T26	1-203-049-00	R_{22}	2.2 KΩ 〃
	D_2	〃 1T23	1-203-095-00	R_{23}	47 KΩ 〃
	D_3	〃 1T23	1-203-064-00	R_{24}	4.7 KΩ 〃
	Th_1	Thermistor S-90	1-203-058-00	R_{25}	3.3 KΩ 〃
	Th_2	〃 S-90	1-203-018-00	R_{26}	220 Ω 〃
		Carbon Resistor	1-203-011-00	R_{27}	100 Ω 〃
1-203-178-00	R_1	39 KΩ RD ¼ I ±5%	1-203-010-00	R_{28}	82 Ω 〃
1-203-083-00	*R_2	22 KΩ			