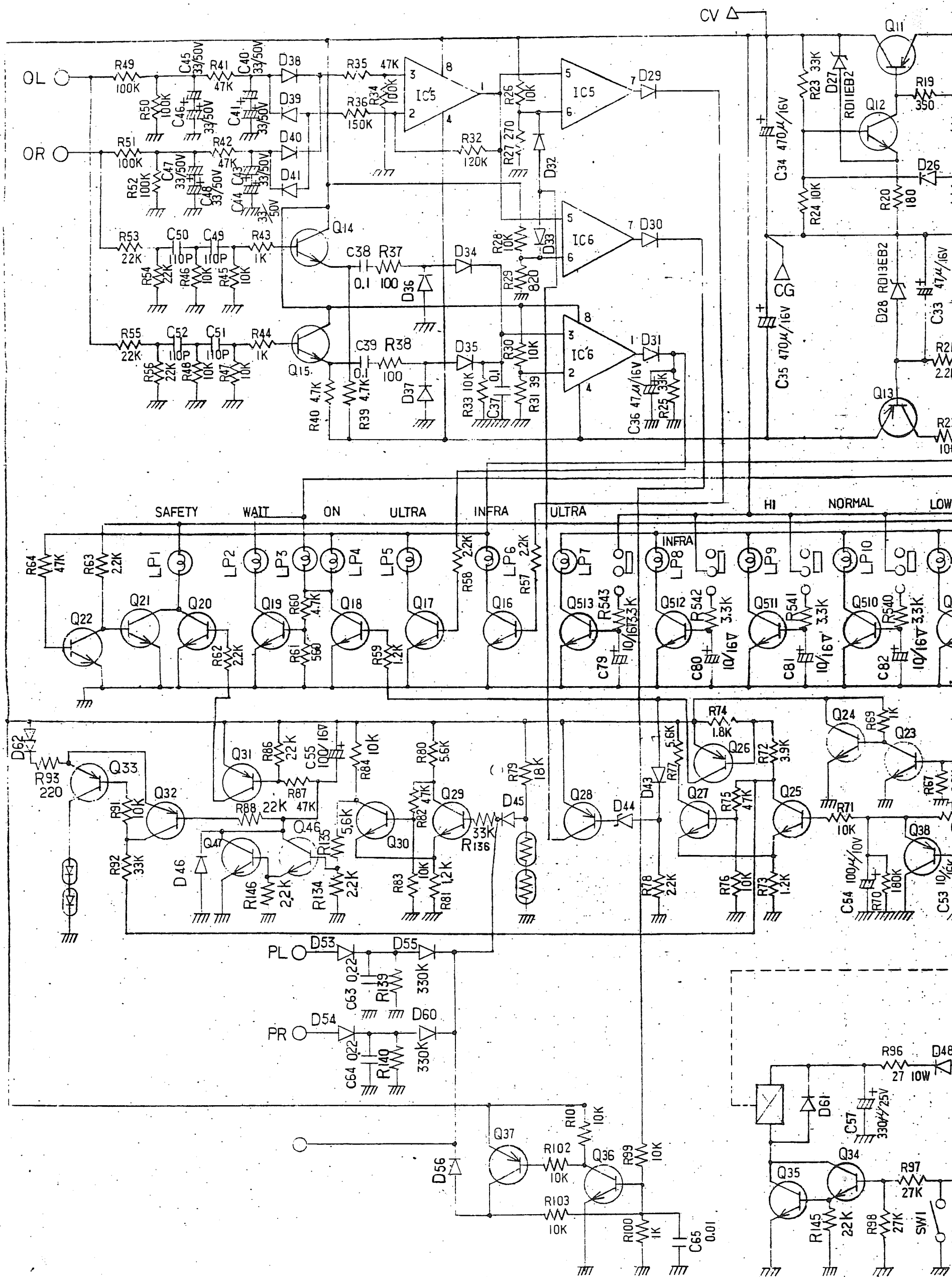
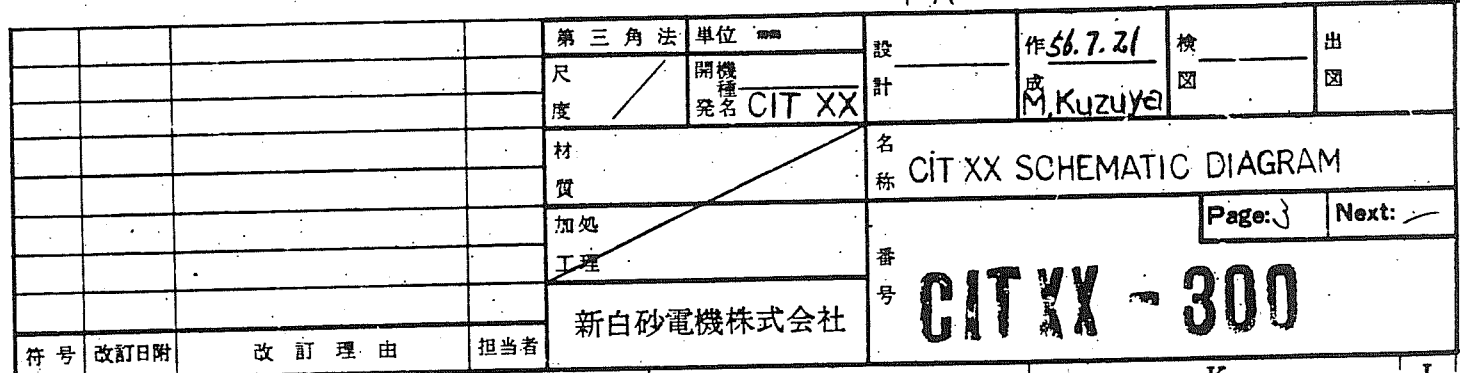
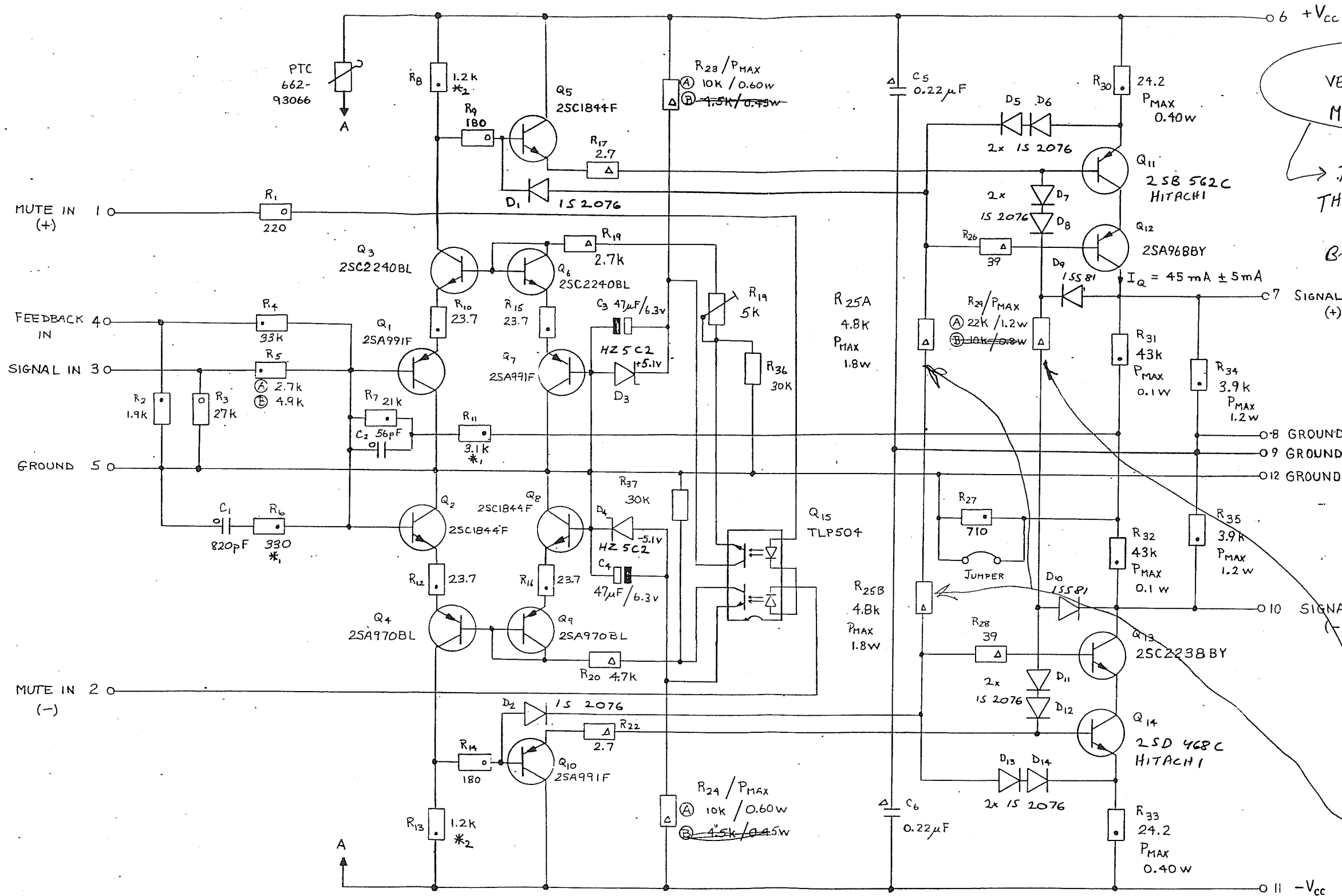




NOTES

1. ALL CAPACITANCE VALUES ARE IN μ OTHER WISE SPECIFIED, P= μ F
2. ALL RESISTANCE VALUES ARE IN Ohm OTHER WISE SPECIFIED . K= $10^3 \Omega$





VERSION (A)
MOD 8

THIS IS NOT
THE LATEST ~~VERSION~~
VERSION.

BUT IT IS THE
LATEST VERSION
THAT I HAVE.

YOU MAY HAVE
A LATER VERSION
THAT HAS AN EXTRA
TRANSISTOR ON A
L-BRACKET
HEAT SINK →

±.5%
± 5%
± 20%

IF I RECALL
THIS WAS ADDED
ON LATER UNITS
AS A CURRENT SOURCE
TO REPLACE
THE RESISTORS
EITHER HERE OR HERE

CIT XX HYBRID

OTHER THAN THAT
THE DIAGRAM
NOTES: SHOULD BE OK.
R. MILLER

* ~~Many be changed to 2.2k~~
9/5/97
* ~~Flow be 2.2k~~

CITXX IDLING ADJUSTMENT MANUAL

1. PLACE THE UNIT IN REVERSE AND PUT WOODEN BOARD WITH WIDTH OF ABOUT 2CM UNDER THE CENTER PORTION OF UNIT (TO HAVE SPACE UNDER HEAT SINK SO AS TO THE RADIATOR OF HEAT SINK WILL BE THE SAME CONDITION OF ACTUAL USE.).
2. CONNECT DIGITAL VOLTMETER (DC VOLTAGE MODE) WITH Pr AND PL, OBSERVE THE IDLING CURRENT.
3. ADJUST THE IDLING IN THE ORDER OF Hi, LOW AND NORMAL.
4. SETTING THE BIAS TO HI POSITION AND SWITCHING THE POWER ON, ADJUST IT IN THE RANGE OF ABOUT 18 - 19mV BY VR301 AND VR302 DURING 1 - 2 MINUTES. AND ADJUST TO 26.5 - 24.4mV TAKING THE TIME OF ABOUT 40 MINUTES. BUT, THE TARGET VALUE IS 26.5mV, SO, ADJUST TO THIS VALUE AS MUCH AS POSSIBLE.
5. SETTING THE BIAS TO LOW POSITION, ADJUST TO ABOUT 7.5 - 8mV BY VR303 AND VR304 FIRST. THEN, ADJUST TO 6.6 - 8mV TAKING THE TIME OF ABOUT 20 MINUTES. BUT, THE TARGET VALUE IS 6.6mV, SO ADJUST TO THIS VALUE AS MUCH AS POSSIBLE.
6. SETTING THE BIAS TO NORMAL POSITION, ADJUST TO ABOUT 11.5 - 12mV BY VR305 AND VR306 FIRST. THEN, ADJUST TO 12 - 14mV TAKING TIME OF ABOUT 20 MINUTES. ADJUST TO TARGET VALUE OF 13.25mV AS MUCH AS POSSIBLE.

NOTE:

PLEASE BE CAREFUL WHEN VR OF HI WILL BE VARIED, IDLING POWER OF LOW AND NORMAL WILL VARY AND WHEN THE VR OF LOW WILL BE VARIED, IDLIG POWER OF NORMAL WILL ALSO VARY.