



23 CALIBRATION PROCEDURE

The procedure should be performed at an ambient temperature of $25\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$, and at a relative humidity of less than 75 % .

A. Ohm Calibration

- Set the range to the “20M Ω ” position, input 10M Ω .
- Slowly adjust the “R011” until the display reads 10.000 ± 1 digit .

B. DCV Calibration

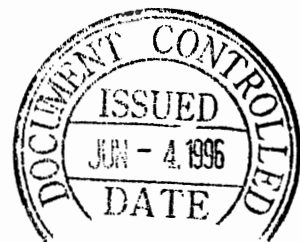
- Set the range to the “200mv” position, input 190mv .
- Slowly adjust the “R015” until the display reads 1000.0 ± 1 digit .
- Set the range to the “200v” position, input 190v .
- Slowly adjust the “R05” until the display reads $190.00\text{v} \pm 1$ digit .
- Set the range to the “20v” position, input 19v .
- Slowly adjust the “R07” until the display reads $19.000\text{v} \pm 1$ digit .
- Set the range to the “2v” position, input 1.9v .
- Slowly adjust the “R03” until the display reads $1.9000\text{v} \pm 1$ digit .

C. ACV Calibration

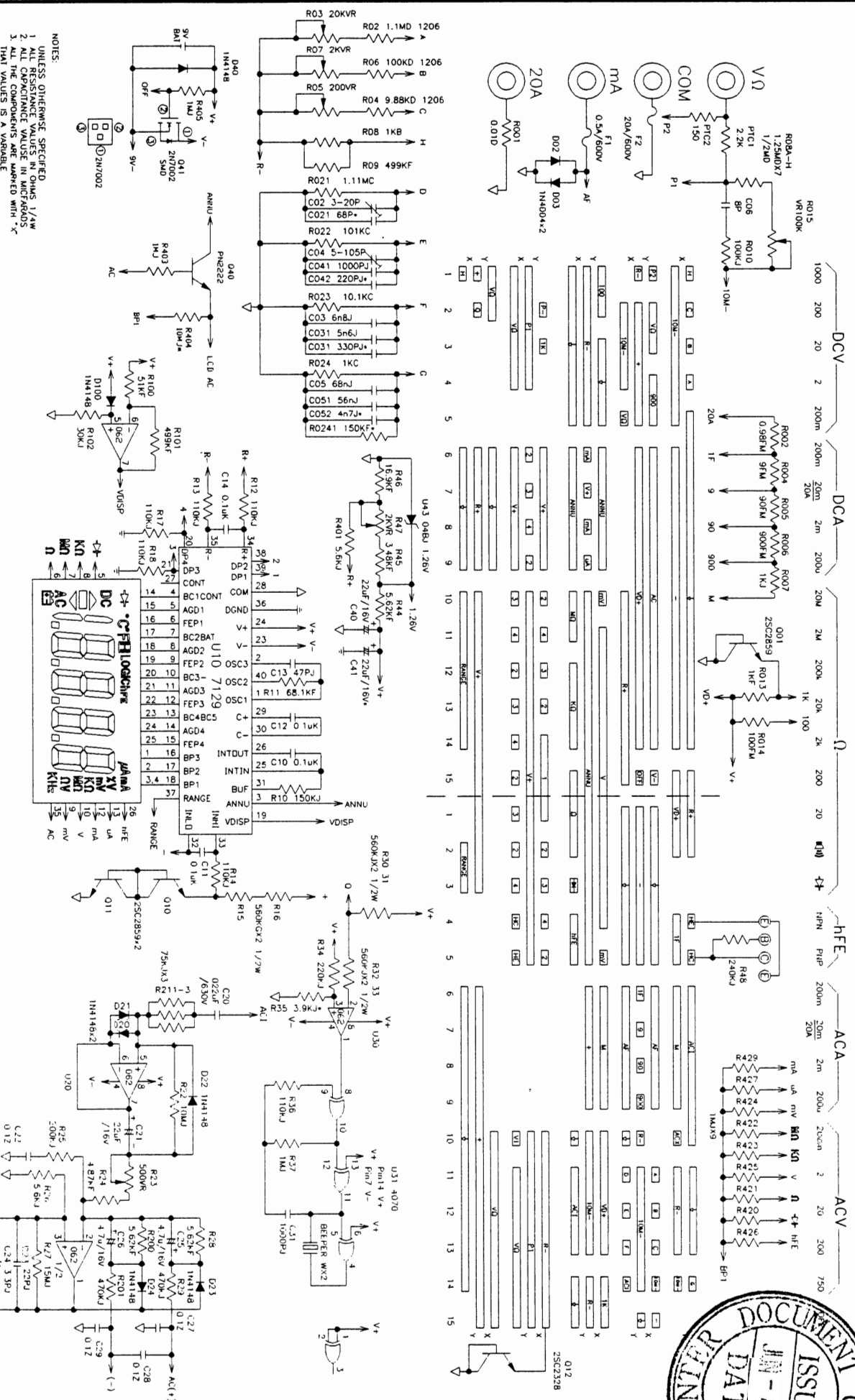
- Set the range to the “200mv” position, input 190mv 50hz .
- Slowly adjust the “R23” until the display reads $190.00\text{mv} \pm 1$ digit .
- Set the range to the “200mv” position, input 190mv 10Khz .
- Slowly adjust the “C07” until the display reads $190.00\text{mv} \pm 25$ digit .
- Set the range to the “2v ” position, input 1.9v 10Khz .
- Slowly adjust the “C01” until the display reads $1.9000\text{v} \pm 25$ digit .
- Set the range to the “20v” position, input 19v 10Khz .
- Slowly adjust the “C04” until the display reads $19.000\text{mv} \pm 25$ digit .

D. DCA Calibration

- Set the range to the “20A” position .
- Set the output of the DC calibrator for $1.9\text{A} \pm 0.02\%$. and connect it to the “20A” , and “COM” input jacks .
- Adjust “Shunt resistance” until the display reads 1.9A,if the reading is over 1.9A, add solder onto Shunt resistance , on the contrary the reading is under 1.9A, shave away some of solder from it ,carefully inspect the other ranges , your reading should be within the spec of instruction manual .



MODEL:23SMD



NOTES:
 1. UNLESS OTHERWISE SPECIFIED, PARTS 1/4W
 2. ALL CAPACITANCE VALUES IN MICROFARADS
 3. THT VALUES IS A VARIABLE

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