| Resistors      |                                       |  |
|----------------|---------------------------------------|--|
|                | , purple, yellow, gold                |  |
| expected res   | sistance: 27×10 K-2 ±5%               |  |
|                | 5K.Ω. min: 26.65KΩ.                   |  |
|                | UKC: 266.5 K.A.                       |  |
|                | meric: 266.2K-A-                      |  |
| 2) color: prov | in, red, red, gold                    |  |
| expected re    | Sistance: 12 x 100-12 ± 5°10          |  |
| max. 1240      | 10 min: 1140 1                        |  |
| measured:      | FIUKE: 1.189 K.D.                     |  |
|                | generic: 1.182 K. D.                  |  |
| 3) @ Color: 4  | ellaw, purpie, green, gold            |  |
|                | d resistance: 47x100k ft 5%           |  |
|                | 5KA min: 4465KA                       |  |
|                | fluke: 4.69M.a                        |  |
|                | generic: 4.61M.n.                     |  |
| 4) color: bu   | red, black, gold                      |  |
| expected       | resistance: 61×1-12 ±5°16             |  |
| max: 65.       |                                       |  |
|                | Fluke: 83.2_1_                        |  |
| Trous Grou     | generic: 82.4-1L                      |  |
|                |                                       |  |
| Capacitors:    |                                       |  |
| ① Expected:10  | A A A A A A A A A A A A A A A A A A A |  |
| fluke: IIMF    |                                       |  |
| capacitor me   | cter: 10.34MF                         |  |
|                |                                       |  |
|                |                                       |  |
|                |                                       |  |

21 Expected: 100 MF

Fluke: 97.3 MF

capacitance meter: 97.54F

3) Expected: 10nf

fluxe: 10.2 nf

capacitance meter: 9.85 nF

4) Expected: 14f

Fluke: 1.16 MF

capacitanu meter: 1.26 MF

Voltage

V2=1.5V DMM=1.62V DMM = 1.57 V V1=1.5V

V2=7.0V DMM=7.32V BMM = 7.06 V V. = 7.0V

DMM = 11.5 Y V2=12.0V DMM= 11.92V V1=12.01

5V output= 4.998V (DMM Value)

## Function gunerator

2KHZ:

1) Amplitude = (3 squares) (IV) = 3V(2)= 6V Peak to Peak

Frequency =  $\frac{1}{500 \, \text{ms}} = \frac{1}{5 \times 10^{-4}} = 2000 \, \text{Hz}$ 

2) Amplitude = 5.84V (Peak to Peak)

frequency = 400US = 4x10-0 = 2040Hz

3) Amplitude = 5.80 V (peak to peak)

frequency = 2.008KHz

frequency = 2.005 KHz 4) Amplitude = 1.751 V (rms)

5) Amplitude = 1. 968 V (rms) frequency = 2.007 kHz