

K7400 and K7500 Typical Voltages with Input Signal Applied*

| TEST POINTS | | | | DIODES | | | INTEGRATED CIRCUITS | | | | | | |
|-------------|---------|-------|------|-------------|---------|---------|---------------------|------|------|--|--|--|--|
| TEST POINT | VOLTAGE | ANODE | CATH | ICs PIN NO. | U101 | U500 | U601 | U701 | U702 | | | | |
| TP103* | -3.20 | | | D1 01* | 33.90 | 149.70 | | | | | | | |
| TP104* | 17.10 | | | D1 02* | 71.80 | 149.70 | | | | | | | |
| TP105* | 0.90 | | | D1 03* | 71.80 | 77.60 | | | | | | | |
| TP105* | 0.00 | | | D1 04* | 0.20 | 77.60 | | | | | | | |
| TP200 | 4.80 | | | D1 05* | 0.00 | 0.20 | | | | | | | |
| TP201 | 0.10 | | | D1 06A | 0.20 | 85.00 | | | | | | | |
| TP202 | 117.20 | | | D1 06B | 78.00 | 97.10 | | | | | | | |
| TP203 | 152.00 | | | D1 06C | 95.90 | 116.80 | | | | | | | |
| TP204 | 14.70 | | | D1 07* | 152.00 | 318.40 | | | | | | | |
| TP205 | 24.90 | | | D1 08* | 152.10 | 165.40 | | | | | | | |
| | | | | D1 11* | 18.90 | 18.90 | | | | | | | |
| | | | | D1 12* | 0.20 | 18.30 | | | | | | | |
| | | | | D1 13* | 0.10 | 0.10 | | | | | | | |
| | | | | D1 14* | 0.10 | 0.10 | | | | | | | |
| | | | | D1 15 | -37.00 | -36.00 | | | | | | | |
| | | | | D1 16 | -36.90 | -36.00 | | | | | | | |
| | | | | D1 17 | -1.20 | -169.20 | | | | | | | |
| | | | | D301 | 0.60 | 14.60 | | | | | | | |
| | | | | D302 | 0.30 | 24.90 | | | | | | | |
| | | | | D303 | -149.00 | 15.00 | | | | | | | |
| | | | | D310 | 0.10 | 165.00 | | | | | | | |
| | | | | D501 | 1.54 | 0.80 | | | | | | | |
| | | | | D502 | 1.42 | 0.72 | | | | | | | |
| | | | | D503 | 1.40 | 0.70 | | | | | | | |
| | | | | D504 | 42.00 | 195.00 | | | | | | | |
| | | | | D505 | 9.90 | 195.00 | | | | | | | |
| | | | | D506 | 121.00 | 132.00 | | | | | | | |
| | | | | D507 | 6.17 | 6.17 | | | | | | | |
| | | | | D600 | 4.70 | 4.90 | | | | | | | |
| | | | | D601 | 0.00 | 4.90 | | | | | | | |
| | | | | D602 | 11.60 | 15.80 | | | | | | | |
| | | | | D603 | 24.30 | 24.70 | | | | | | | |
| | | | | D604 | 0.20 | 0.00 | | | | | | | |
| | | | | D700 | 0.60 | 0.00 | | | | | | | |
| | | | | D702 | 11.70 | 14.10 | | | | | | | |
| | | | | D707 | 6.80 | NOTE 1 | | | | | | | |
| | | | | D708 | 0.30 | 22.00 | | | | | | | |
| | | | | D711 | 0.10 | 21.60 | | | | | | | |
| | | | | D803 | 0.00 | 0.10 | | | | | | | |
| | | | | D804 | 0.20 | 1.40 | | | | | | | |
| | | | | D807 | 0.10 | 0.20 | | | | | | | |
| | | | | D808 | 8.70 | 1.40 | | | | | | | |
| | | | | D809 | 8.90 | 14.70 | | | | | | | |
| | | | | D810 | -149.70 | -149.40 | | | | | | | |
| | | | | D811 | 0.00 | 4.80 | | | | | | | |

| ZENERS DIODES | | | |
|---------------|-------|--------|---------|
| ZENER | ANODE | CATH | VOLTAGE |
| Z500 | 0.00 | 12.00 | |
| Z601 | 0.00 | 114.00 | |
| Z602 | -2.30 | -2.80 | |
| Z700 | 0.00 | 4.80 | |
| Z701 | 0.00 | 5.40 | |
| Z702 | 0.00 | 13.30 | |
| Z800 | 36.70 | 118.00 | |
| Z802 | 1.70 | 13.90 | |
| Z803 | 6.80 | 14.70 | |
| Z804 | 0.00 | 8.50 | |

| TRANSISTORS | | | |
|-------------|-------|-------|--------|
| TRSTR | EMIT | BASE | COLL |
| Q101* | 0.10 | 5.56 | 152.10 |
| Q502 | 0.00 | -0.10 | 10.30 |
| Q503 | 11.20 | 11.60 | 114.40 |
| Q504 | 11.20 | 11.70 | 119.40 |
| Q505 | 11.20 | 11.75 | 120.60 |
| Q506 | 1.40 | 2.10 | 11.20 |
| Q507 | 1.40 | 2.20 | 11.20 |
| Q508 | 1.50 | 2.20 | 11.30 |
| Q509 | 1.40 | 0.36 | 0.00 |
| Q510 | 1.50 | 0.36 | 0.00 |
| Q511 | 1.40 | 0.36 | 0.00 |
| Q601 | 8.70 | 9.40 | 11.60 |
| Q602 | 2.20 | 2.80 | 14.00 |
| Q703 | 0.00 | 0.36 | 79.60 |
| Q704 | 0.00 | 0.50 | NOTE 1 |
| Q709 | 5.80 | 5.20 | 1.13 |
| Q710 | 0.00 | -1.13 | 5.75 |
| Q770 | 5.30 | 6.41 | 10.80 |
| Q771 | 6.40 | 10.80 | 14.00 |
| Q800 | 0.00 | -0.28 | 20.20 |
| Q801 | 0.44 | 1.07 | 5.13 |
| Q802 | 0.30 | 0.00 | 0.58 |
| Q803 | 8.65 | 8.90 | 0.00 |

*Voltages are for reference only and may vary with input signal and control adjustments

Parts marked with an "*" are measured with respect to AC GROUND. All other parts are measured with respect to chassis ground.

For Your Safety, it is recommended that an isolation transformer be used when servicing this product.

Do not measure except with high voltage probe.



WELLS-GARDNER
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