

**Table 4 Group A Inspection**

| SG | Parameter                    | Symbol   | Temp. | Power  | Test Conditions                                | Min  | Max | Units      |
|----|------------------------------|----------|-------|--------|--|------|-----|------------|
| 1  | Quiescent Current            | $I_Q$    | 25°C  | ±35V   | $V_{IN} = 0, A_V = 100$                        |      | 85  | mA         |
| 1  | Input Offset Voltage         | $V_{OS}$ | 25°C  | ±35V   | $V_{IN} = 0, A_V = 100$                        |      | 3   | mV         |
| 1  | Input Offset Voltage         | $V_{OS}$ | 25°C  | ±12V   | $V_{IN} = 0, A_V = 100$                        |      | 5.3 | mV         |
| 1  | Input Offset Voltage         | $V_{OS}$ | 25°C  | ±40V   | $V_{IN} = 0, A_V = 100$                        |      | 3.5 | mV         |
| 1  | Input Bias Current, +IN      | $+I_B$   | 25°C  | ±35V   | $V_{IN} = 0$                                   |      | 100 | pA         |
| 1  | Input Bias Current, -IN      | $-I_B$   | 25°C  | ±35V   | $V_{IN} = 0$                                   |      | 100 | pA         |
| 1  | Input Offset Current         | $I_{OS}$ | 25°C  | ±35V   | $V_{IN} = 0$                                   |      | 50  | pA         |
| 3  | Quiescent Current            | $I_Q$    | -55°C | ±35V   | $V_{IN} = 0, A_V = 100$                        |      | 165 | mA         |
| 3  | Input Offset Voltage         | $V_{OS}$ | -55°C | ±35V   | $V_{IN} = 0, A_V = 100$                        |      | 5.4 | mV         |
| 3  | Input Offset Voltage         | $V_{OS}$ | -55°C | ±12V   | $V_{IN} = 0, A_V = 100$                        |      | 7.7 | mV         |
| 3  | Input Offset Voltage         | $V_{OS}$ | -55°C | ±40V   | $V_{IN} = 0, A_V = 100$                        |      | 5.9 | mV         |
| 3  | Input Bias Current, +IN      | $+I_B$   | -55°C | ±35V   | $V_{IN} = 0$                                   |      | 100 | pA         |
| 3  | Input Bias Current, -IN      | $-I_B$   | -55°C | ±35V   | $V_{IN} = 0$                                   |      | 100 | pA         |
| 3  | Input Offset Current         | $I_{OS}$ | -55°C | ±35V   | $V_{IN} = 0$                                   |      | 50  | pA         |
| 2  | Quiescent Current            | $I_Q$    | 125°C | ±35V   | $V_{IN} = 0, A_V = 100$                        |      | 140 | mA         |
| 2  | Input Offset Voltage         | $V_{OS}$ | 125°C | ±35V   | $V_{IN} = 0, A_V = 100$                        |      | 6   | mV         |
| 2  | Input Offset Voltage         | $V_{OS}$ | 125°C | ±12V   | $V_{IN} = 0, A_V = 100$                        |      | 8.3 | mV         |
| 2  | Input Offset Voltage         | $V_{OS}$ | 125°C | ±40V   | $V_{IN} = 0, A_V = 100$                        |      | 6.5 | mV         |
| 2  | Input Bias Current, +IN      | $+I_B$   | 125°C | ±35V   | $V_{IN} = 0$                                   |      | 10  | nA         |
| 2  | Input Bias Current, -IN      | $-I_B$   | 125°C | ±35V   | $V_{IN} = 0$                                   |      | 10  | nA         |
| 2  | Input Offset Current         | $I_{OS}$ | 125°C | ±35V   | $V_{IN} = 0$                                   |      | 10  | nA         |
| 4  | Output Voltage, $I_O = 3A$   | $V_O$    | 25°C  | ±21.3V | $R_L = 3.75 \Omega$                            | 11.3 |     | V          |
| 4  | Output Voltage, $I_O = 66mA$ | $V_O$    | 25°C  | ±40V   | $R_L = 500 \Omega$                             | 33   |     | V          |
| 4  | Output Voltage, $I_O = 2A$   | $V_O$    | 25°C  | ±38V   | $R_L = 15 \Omega$                              | 30   |     | V          |
| 4  | Current Limits               | $I_{CL}$ | 25°C  | ±32.2V | $R_L = 3.75 \Omega$                            | 3.4  | 6   | A          |
| 4  | Stability/Noise              | $E_N$    | 25°C  | ±35V   | $R_L=500\Omega, A_V=1, C_L=1.5nF$              |      | 1   | mV         |
| 4  | Slew Rate                    | SR       | 25°C  | ±35V   | $R_L = 500 \Omega$                             | 25   | 500 | V/ $\mu$ s |
| 4  | Open Loop Gain               | $A_{OL}$ | 25°C  | ±35V   | $R_L = 500 \Omega, F = 10Hz$                   | 80   |     | dB         |
| 4  | Common Mode Rejection        | CMR      | 25°C  | ±34.5V | $R_L = 500 \Omega, F = DC, V_{CM} = \pm 22.5V$ | 64   |     | dB         |

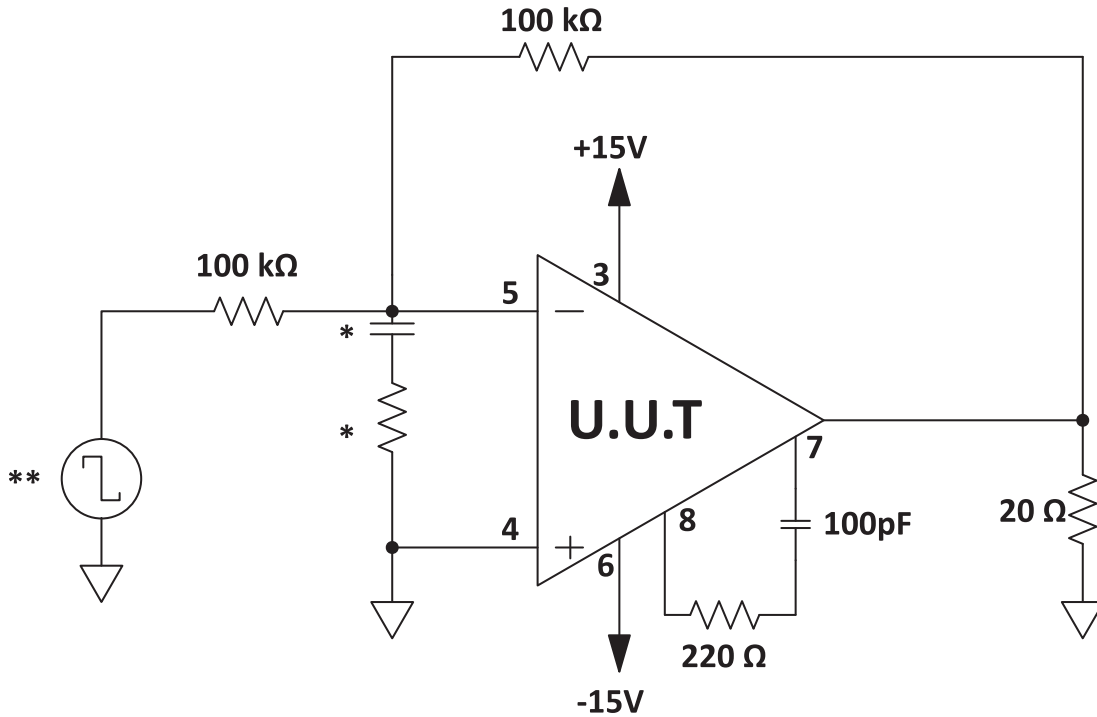
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| SG | Parameter                    | Symbol   | Temp.          | Power       | Test Conditions                                | Min  | Max | Units      |
|----|------------------------------|----------|----------------|-------------|--|------|-----|------------|
| 6  | Output Voltage, $I_O = 3A$   | $V_O$    | $-55^{\circ}C$ | $\pm 21.3V$ | $R_L = 3.75 \Omega$                            | 11.3 |     | V          |
| 6  | Output Voltage, $I_O = 66mA$ | $V_O$    | $-55^{\circ}C$ | $\pm 40V$   | $R_L = 500 \Omega$                             | 33   |     | V          |
| 6  | Output Voltage, $I_O = 2A$   | $V_O$    | $-55^{\circ}C$ | $\pm 38V$   | $R_L = 15 \Omega$                              | 30   |     | V          |
| 6  | Stability/Noise              | $E_N$    | $-55^{\circ}C$ | $\pm 35V$   | $R_L = 500\Omega, A_V = 1, C_L = 1.5nF$        |      | 1   | mV         |
| 6  | Slew Rate                    | SR       | $-55^{\circ}C$ | $\pm 35V$   | $R_L = 500 \Omega$                             | 25   | 500 | V/ $\mu s$ |
| 6  | Open Loop Gain               | $A_{OL}$ | $-55^{\circ}C$ | $\pm 35V$   | $R_L = 500 \Omega, F = 10Hz$                   | 80   |     | dB         |
| 6  | Common Mode Rejection        | CMR      | $-55^{\circ}C$ | $\pm 34.5V$ | $R_L = 500 \Omega, F = DC, V_{CM} = \pm 22.5V$ | 64   |     | dB         |
| 5  | Output Voltage, $I_O = 66mA$ | $V_O$    | $125^{\circ}C$ | $\pm 40V$   | $R_L = 500 \Omega$                             | 33   |     | V          |
| 5  | Output Voltage, $I_O = 1A$   | $V_O$    | $125^{\circ}C$ | $\pm 23.5V$ | $R_L = 15 \Omega$                              | 15   |     | V          |
| 5  | Stability/Noise              | $E_N$    | $125^{\circ}C$ | $\pm 35V$   | $R_L = 500\Omega, A_V = 1, C_L = 1.5nF$        |      | 1   | mV         |
| 5  | Slew Rate                    | SR       | $125^{\circ}C$ | $\pm 35V$   | $R_L = 500 \Omega$                             | 20   | 500 | V/ $\mu s$ |
| 5  | Open Loop Gain               | $A_{OL}$ | $125^{\circ}C$ | $\pm 35V$   | $R_L = 500 \Omega, F = 10Hz$                   | 80   |     | dB         |
| 5  | Common Mode Rejection        | CMR      | $125^{\circ}C$ | $\pm 34.5V$ | $R_L = 500 \Omega, F = DC, V_{CM} = \pm 22.5V$ | 64   |     | dB         |

**BURN IN CIRCUIT**

Figure 1: Burn In Circuit



\*These components are used to stabilize device due to poor high frequency characteristics of burn in board.  
 \*\*Input signals are calculated to result in internal power dissipation of approximately 2.1W at case temperature = 125°C.

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