

**Table 4 Group A Inspection**

| SG | Parameter                    | Symbol   | Temp. | Power | Test Conditions                                    | Min | Max   | Units      |
|----|------------------------------|----------|-------|-------|--|-----|-------|------------|
| 1  | Quiescent Current            | $I_Q$    | 25°C  | ±32V  | $V_{IN} = 0, A_V = 100$                            |     | 10    | mA         |
| 1  | Input Offset Voltage         | $V_{OS}$ | 25°C  | ±32V  | $V_{IN} = 0, A_V = 100$                            |     | ±6    | mV         |
| 1  | Input Offset Voltage         | $V_{OS}$ | 25°C  | ±10V  | $V_{IN} = 0, A_V = 100$                            |     | ±10.4 | mV         |
| 1  | Input Offset Voltage         | $V_{OS}$ | 25°C  | ±45V  | $V_{IN} = 0, A_V = 100$                            |     | ±8.6  | mV         |
| 1  | Input Bias Current, +IN      | $+I_B$   | 25°C  | ±32V  | $V_{IN} = 0$                                       |     | ±30   | nA         |
| 1  | Input Bias Current, -IN      | $-I_B$   | 25°C  | ±32V  | $V_{IN} = 0$                                       |     | ±30   | nA         |
| 1  | Input Offset Current         | $I_{OS}$ | 25°C  | ±32V  | $V_{IN} = 0$                                       |     | ±30   | nA         |
| 3  | Quiescent Current            | $I_Q$    | -55°C | ±32V  | $V_{IN} = 0, A_V = 100$                            |     | 10    | mA         |
| 3  | Input Offset Voltage         | $V_{OS}$ | -55°C | ±32V  | $V_{IN} = 0, A_V = 100$                            |     | ±11.2 | mV         |
| 3  | Input Offset Voltage         | $V_{OS}$ | -55°C | ±10V  | $V_{IN} = 0, A_V = 100$                            |     | ±15.6 | mV         |
| 3  | Input Offset Voltage         | $V_{OS}$ | -55°C | ±45V  | $V_{IN} = 0, A_V = 100$                            |     | ±13.8 | mV         |
| 3  | Input Bias Current, +IN      | $+I_B$   | -55°C | ±32V  | $V_{IN} = 0$                                       |     | ±115  | nA         |
| 3  | Input Bias Current, -IN      | $-I_B$   | -55°C | ±32V  | $V_{IN} = 0$                                       |     | ±115  | nA         |
| 3  | Input Offset Current         | $I_{OS}$ | -55°C | ±32V  | $V_{IN} = 0$                                       |     | ±115  | nA         |
| 2  | Quiescent Current            | $I_Q$    | 125°C | ±32V  | $V_{IN} = 0, A_V = 100$                            |     | 15    | mA         |
| 2  | Input Offset Voltage         | $V_{OS}$ | 125°C | ±32V  | $V_{IN} = 0, A_V = 100$                            |     | ±12.5 | mV         |
| 2  | Input Offset Voltage         | $V_{OS}$ | 125°C | ±10V  | $V_{IN} = 0, A_V = 100$                            |     | ±16.9 | mV         |
| 2  | Input Offset Voltage         | $V_{OS}$ | 125°C | ±45V  | $V_{IN} = 0, A_V = 100$                            |     | ±15.1 | mV         |
| 2  | Input Bias Current, +IN      | $+I_B$   | 125°C | ±32V  | $V_{IN} = 0$                                       |     | ±70   | nA         |
| 2  | Input Bias Current, -IN      | $-I_B$   | 125°C | ±32V  | $V_{IN} = 0$                                       |     | ±70   | nA         |
| 2  | Input Offset Current         | $I_{OS}$ | 125°C | ±32V  | $V_{IN} = 0$                                       |     | ±70   | nA         |
| 4  | Output Voltage, $I_O = 10A$  | $V_O$    | 25°C  | ±17V  | $R_L = 1 \Omega$                                   | 10  |       | V          |
| 4  | Output Voltage, $I_O = 80mA$ | $V_O$    | 25°C  | ±45V  | $R_L = 500 \Omega$                                 | 40  |       | V          |
| 4  | Output Voltage, $I_O = 4A$   | $V_O$    | 25°C  | ±30V  | $R_L = 6 \Omega$                                   | 24  |       | V          |
| 4  | Current Limits               | $I_{CL}$ | 25°C  | ±15V  | $R_L = 6 \Omega, R_{CL} = 1 \Omega$                | .56 | .88   | A          |
| 4  | Stability/Noise              | $E_N$    | 25°C  | ±32V  | $R_L = 500 \Omega, A_V = 1, C_L = 10nF$            |     | 1     | mV         |
| 4  | Slew Rate                    | SR       | 25°C  | ±32V  | $R_L = 500 \Omega$                                 | 1   | 10    | V/ $\mu$ s |
| 4  | Open Loop Gain               | $A_{OL}$ | 25°C  | ±32V  | $R_L = 500 \Omega, F = 10 \text{ Hz}$              | 96  |       | dB         |
| 4  | Common Mode Rejection        | CMR      | 25°C  | ±15V  | $R_L = 500 \Omega, F = \text{DC}, V_{CM} = \pm 9V$ | 74  |       | dB         |

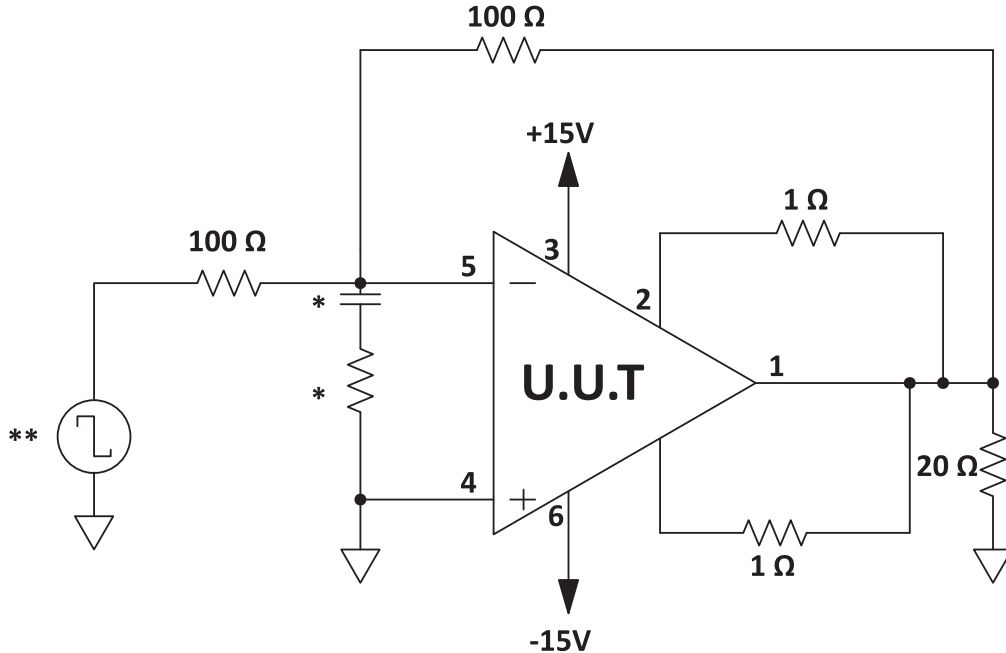
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| SG | Parameter                    | Symbol   | Temp.          | Power     | Test Conditions                             | Min | Max | Units      |
|----|------------------------------|----------|----------------|-----------|---|-----|-----|------------|
| 6  | Output Voltage, $I_O = 10A$  | $V_O$    | $-55^{\circ}C$ | $\pm 17V$ | $R_L = 1 \Omega$                            | 10  |     | V          |
| 6  | Output Voltage, $I_O = 80mA$ | $V_O$    | $-55^{\circ}C$ | $\pm 45V$ | $R_L = 500 \Omega$                          | 40  |     | V          |
| 6  | Output Voltage, $I_O = 4A$   | $V_O$    | $-55^{\circ}C$ | $\pm 30V$ | $R_L = 6 \Omega$                            | 24  |     | V          |
| 6  | Stability/Noise              | $E_N$    | $-55^{\circ}C$ | $\pm 32V$ | $R_L=500 \Omega, A_V=1, C_L= 10nF$          |     | 1   | mV         |
| 6  | Slew Rate                    | SR       | $-55^{\circ}C$ | $\pm 32V$ | $R_L = 500 \Omega$                          | 1   | 10  | V/ $\mu s$ |
| 6  | Open Loop Gain               | $A_{OL}$ | $-55^{\circ}C$ | $\pm 32V$ | $R_L = 500 \Omega, F = 10 \text{ Hz}$       | 96  |     | dB         |
| 6  | Common Mode Rejection        | CMR      | $-55^{\circ}C$ | $\pm 15V$ | $R_L = 500 \Omega, F = DC, V_{CM} = \pm 9V$ | 74  |     | dB         |
| 5  | Output Voltage, $I_O = 8A$   | $V_O$    | $125^{\circ}C$ | $\pm 15V$ | $R_L = 1 \Omega$                            | 8   |     | V          |
| 5  | Output Voltage, $I_O = 80mA$ | $V_O$    | $125^{\circ}C$ | $\pm 45V$ | $R_L = 500 \Omega$                          | 40  |     | V          |
| 5  | Output Voltage, $I_O = 4A$   | $V_O$    | $125^{\circ}C$ | $\pm 30V$ | $R_L = 6 \Omega$                            | 24  |     | V          |
| 5  | Stability/Noise              | $E_N$    | $125^{\circ}C$ | $\pm 32V$ | $R_L=500 \Omega, A_V=1, C_L=10nF$           |     | 1   | mV         |
| 5  | Slew Rate                    | SR       | $125^{\circ}C$ | $\pm 32V$ | $R_L = 500\Omega$                           | 1   | 10  | V/ $\mu s$ |
| 5  | Open Loop Gain               | $A_{OL}$ | $125^{\circ}C$ | $\pm 32V$ | $R_L = 500\Omega, F = 10Hz$                 | 96  |     | dB         |
| 5  | Common Mode Rejection        | CMR      | $125^{\circ}C$ | $\pm 15V$ | $R_L = 500\Omega, F = DC, V_{CM} = \pm 9V$  | 74  |     | 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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