

**Table 4 Group A Inspection**

SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
1	Quiescent Current	$I_Q$	25°C	±150V	$V_{IN} = 0, A_V = 100$		7.5	mA
1	Input Offset Voltage	$V_{OS}$	25°C	±150V	$V_{IN} = 0, A_V = 100$		3	mV
1	Input Offset Voltage	$V_{OS}$	25°C	±15V	$V_{IN} = 0, A_V = 100$		5.7	mV
1	Input Bias Current, +IN	$+I_B$	25°C	±150V	$V_{IN} = 0$		50	pA
1	Input Bias Current, -IN	$-I_B$	25°C	±150V	$V_{IN} = 0$		50	pA
1	Input Offset Current	$I_{OS}$	25°C	±150V	$V_{IN} = 0$		50	pA
3	Quiescent Current	$I_Q$	-55°C	±150V	$V_{IN} = 0, A_V = 100$		9.5	mA
3	Input Offset Voltage	$V_{OS}$	-55°C	±150V	$V_{IN} = 0, A_V = 100$		5	mV
3	Input Offset Voltage	$V_{OS}$	-55°C	±15V	$V_{IN} = 0, A_V = 100$		7.7	mV
3	Input Bias Current, +IN	$+I_B$	-55°C	±150V	$V_{IN} = 0$		50	pA
3	Input Bias Current, -IN	$-I_B$	-55°C	±150V	$V_{IN} = 0$		50	pA
3	Input Offset Current	$I_{OS}$	-55°C	±150V	$V_{IN} = 0$		50	pA
2	Quiescent Current	$I_Q$	125°C	±150V	$V_{IN} = 0, A_V = 100$		9.5	mA
2	Input Offset Voltage	$V_{OS}$	125°C	±150V	$V_{IN} = 0, A_V = 100$		5.5	mV
2	Input Offset Voltage	$V_{OS}$	125°C	±15V	$V_{IN} = 0, A_V = 100$		8.2	mV
2	Input Bias Current, +IN	$+I_B$	125°C	±150V	$V_{IN} = 0$		10	nA
2	Input Bias Current, -IN	$-I_B$	125°C	±150V	$V_{IN} = 0$		10	nA
2	Input Offset Current	$I_{OS}$	125°C	±150V	$V_{IN} = 0$		10	nA
4	Output Voltage, $I_O = 40mA$	$V_O$	25°C	±47V	$R_L = 1 k$	40		V
4	Output Voltage, $I_O = 28.6mA$	$V_O$	25°C	±150V	$R_L = 5 k$	143		V
4	Output Voltage, $I_O = 15mA$	$V_O$	25°C	±80V	$R_L = 5 k$	75		V
4	Current Limits	$I_{CL}$	25°C	±20V	$R_L = 100 \Omega$	36	70	A
4	Stability/Noise	$E_N$	25°C	±150V	$R_L = 5 k, A_V = 1, C_L = 10nF$		1	mV
4	Slew Rate	SR	25°C	±150V	$R_L = 5 k, C_C = 50pF$	100	600	V/ $\mu$ s
4	Open Loop Gain	$A_{OL}$	25°C	±150V	$R_L = 5 k, F = 10 Hz$	100		dB
4	Common Mode Rejection	CMR	25°C	±32.5V	$R_L = 5 k, F = DC, V_{CM} = \pm 22.5V$	90		dB

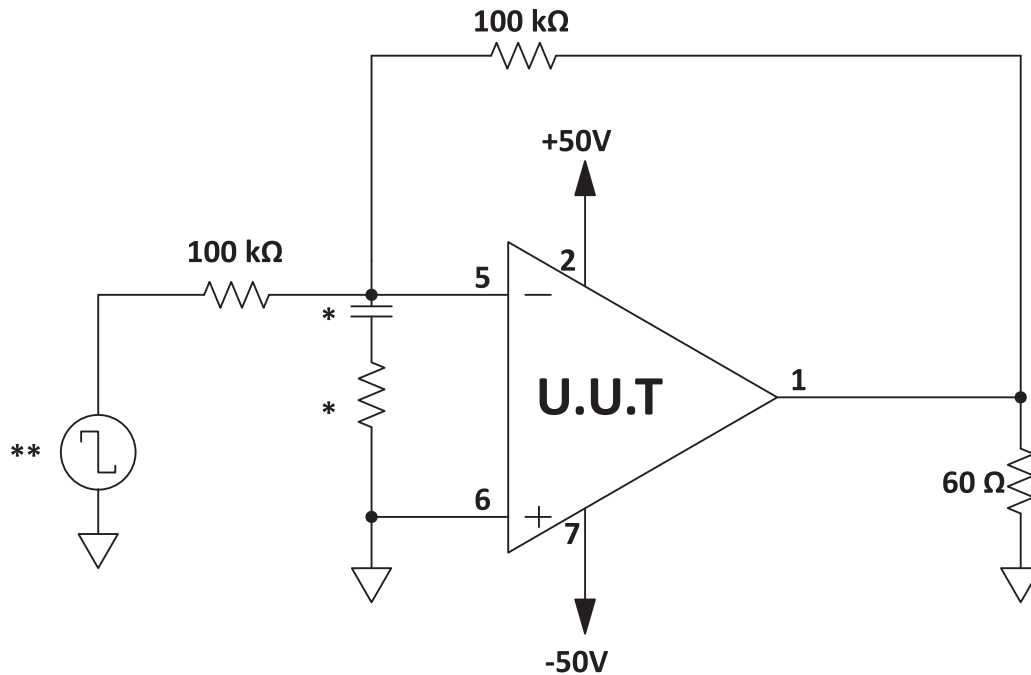
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SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
6	Output Voltage, $I_O = 40\text{mA}$	$V_O$	$-55^\circ\text{C}$	$\pm 47\text{V}$	$R_L = 1\text{ k}$	40		V
6	Output Voltage, $I_O = 28.6\text{mA}$	$V_O$	$-55^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}$	143		V
6	Output Voltage, $I_O = 15\text{mA}$	$V_O$	$-55^\circ\text{C}$	$\pm 80\text{V}$	$R_L = 5\text{ k}$	75		V
6	Stability/Noise	$E_N$	$-55^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}, A_V = 1, C_L = 10\text{nF}$		1	mV
6	Slew Rate	SR	$-55^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}, C_C = 50\text{pF}$	100	600	V/ $\mu\text{s}$
6	Open Loop Gain	$A_{OL}$	$-55^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}, F = 10\text{ Hz}$	100		dB
6	Common Mode Rejection	CMR	$-55^\circ\text{C}$	$\pm 32.5\text{V}$	$R_L = 5\text{ k}, F = \text{DC}, V_{CM} = \pm 22.5\text{V}$	90		dB
5	Output Voltage, $I_O = 30\text{mA}$	$V_O$	$125^\circ\text{C}$	$\pm 37\text{V}$	$R_L = 1\text{ k}$	30		V
5	Output Voltage, $I_O = 28.6\text{mA}$	$V_O$	$125^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}$	143		V
5	Output Voltage, $I_O = 15\text{mA}$	$V_O$	$125^\circ\text{C}$	$\pm 80\text{V}$	$R_L = 5\text{ k}$	75		V
5	Stability/Noise	$E_N$	$125^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}, A_V = 1, C_L = 10\text{nF}$		1	mV
5	Slew Rate	SR	$125^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}, C_C = 50\text{pF}$	100	600	V/ $\mu\text{s}$
5	Open Loop Gain	$A_{OL}$	$125^\circ\text{C}$	$\pm 150\text{V}$	$R_L = 5\text{ k}, F = 10\text{ Hz}$	100		dB
5	Common Mode Rejection	CMR	$125^\circ\text{C}$	$\pm 32.5\text{V}$	$R_L = 5\text{ k}, F = \text{DC}, V_{CM} = \pm 22.5\text{V}$	90		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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