

**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

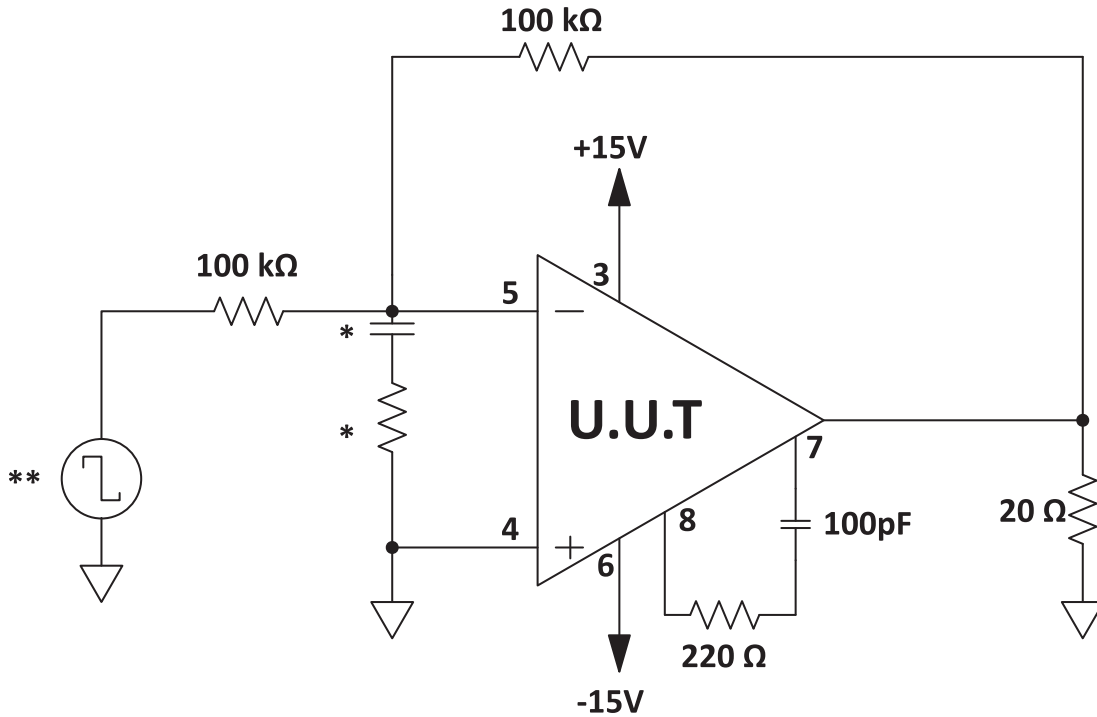
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SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
6	Output Voltage, $I_O = 3A$	$V_O$	-55°C	±21.3V	$R_L = 3.75 \Omega$	11.3		V
6	Output Voltage, $I_O = 66mA$	$V_O$	-55°C	±40V	$R_L = 500 \Omega$	33		V
6	Output Voltage, $I_O = 2A$	$V_O$	-55°C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