

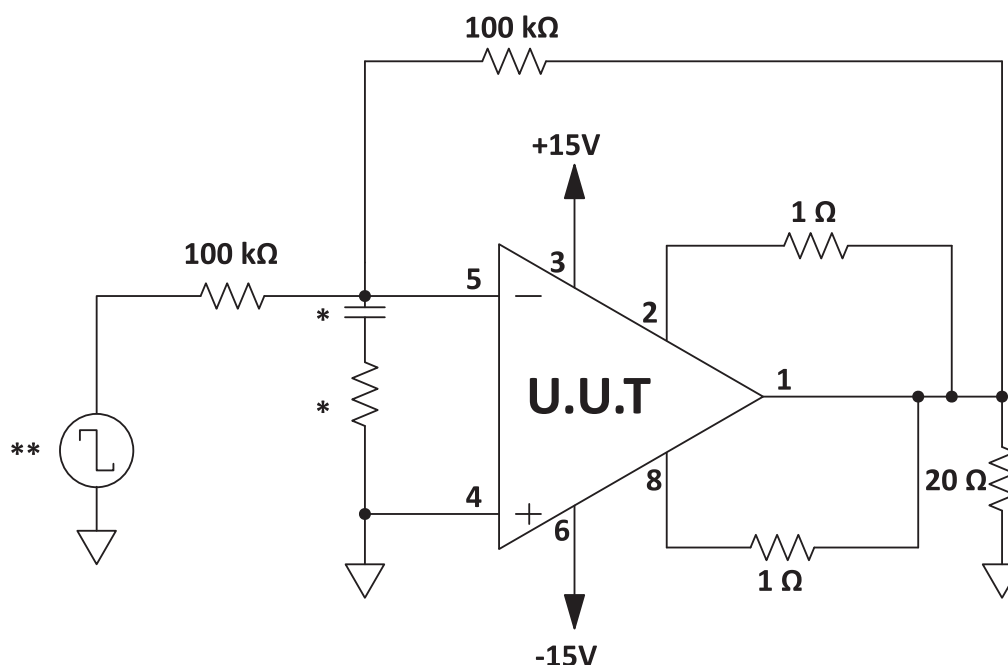
Table 4 Group A Inspection

SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
1	Quiescent Current	I_Q	25°C	±34V	$V_{IN}=0, A_V=100, R_{CL}=0.1\ \Omega$		10	mA
1	Input Offset Voltage	V_{OS}	25°C	±34V	$V_{IN}=0, A_V=100$		±10	mV
1	Input Offset Voltage	V_{OS}	25°C	±10V	$V_{IN}=0, A_V=100$		±16	mV
1	Input Offset Voltage	V_{OS}	25°C	±40V	$V_{IN}=0, A_V=100$		±11.2	mV
1	Input Bias Current, +IN	$+I_B$	25°C	±34V	$V_{IN}=0$		±40	nA
1	Input Bias Current, -IN	$-I_B$	25°C	±34V	$V_{IN}=0$		±40	nA
1	Input Offset Current	I_{OS}	25°C	±34V	$V_{IN}=0$		±10	nA
3	Quiescent Current	I_Q	-55°C	±34V	$V_{IN}=0, A_V=100, R_{CL}=0.1\ \Omega$		10	mA
3	Input Offset Voltage	V_{OS}	-55°C	±34V	$V_{IN}=0, A_V=100$		±15.2	mV
3	Input Offset Voltage	V_{OS}	-55°C	±10V	$V_{IN}=0, A_V=100$		±21.2	mV
3	Input Offset Voltage	V_{OS}	-55°C	±40V	$V_{IN}=0, A_V=100$		±16.4	mV
3	Input Bias Current, +IN	$+I_B$	-55°C	±34V	$V_{IN}=0$		±72	nA
3	Input Bias Current, -IN	$-I_B$	-55°C	±34V	$V_{IN}=0$		±72	nA
3	Input Offset Current	I_{OS}	-55°C	±34V	$V_{IN}=0$		±26	nA
2	Quiescent Current	I_Q	125°C	±34V	$V_{IN}=0, A_V=100, R_{CL}=0.1\ \Omega$		13	mA
2	Input Offset Voltage	V_{OS}	125°C	±34V	$V_{IN}=0, A_V=100$		±16.5	mV
2	Input Offset Voltage	V_{OS}	125°C	±10V	$V_{IN}=0, A_V=100$		±22.5	mV
2	Input Offset Voltage	V_{OS}	125°C	±40V	$V_{IN}=0, A_V=100$		±17.7	mV
2	Input Bias Current, +IN	$+I_B$	125°C	±34V	$V_{IN}=0$		±80	nA
2	Input Bias Current, -IN	$-I_B$	125°C	±34V	$V_{IN}=0$		±80	nA
2	Input Offset Current	I_{OS}	125°C	±34V	$V_{IN}=0$		±30	nA
4	Output Voltage, $I_O = 10A$	V_O	25°C	±18V	$R_L = 1\ \Omega$	10		V
4	Output Voltage, $I_O = 68mA$	V_O	25°C	±40V	$R_L = 500\ \Omega$	34		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	±16V	$R_L = 1\ \Omega, R_{CL} = 0.1\ \Omega$	5	7.9	A
4	Stability/Noise	E_N	25°C	±34V	$R_L=500\ \Omega, A_V=1, C_L=1.5nF$		1	mV
4	Slew Rate	SR	25°C	±34V	$R_L = 500\ \Omega$	1	10	V/ μs
4	Open Loop Gain	A_{OL}	25°C	±34V	$R_L = 500\ \Omega, F = 10\ Hz$	94		dB
4	Common Mode Rejection	CMR	25°C	±15V	$R_L = 500\ \Omega, F = DC, V_{CM} = \pm 9V$	70		dB

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SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
6	Output Voltage, $I_O = 10A$	V_O	$-55^{\circ}C$	$\pm 18V$	$R_L = 1 \Omega$	10		V
6	Output Voltage, $I_O = 68mA$	V_O	$-55^{\circ}C$	$\pm 40V$	$R_L = 500 \Omega$	34		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	$-55^{\circ}C$	$\pm 34V$	$R_L = 500 \Omega$, $A_V = 1$, $C_L = 1.5nF$		1	mV
6	Slew Rate	SR	$-55^{\circ}C$	$\pm 34V$	$R_L = 500 \Omega$	1	10	V/ μs
6	Open Loop Gain	A_{OL}	$-55^{\circ}C$	$\pm 34V$	$R_L = 500 \Omega$, $F = 10Hz$	94		dB
6	Common Mode Rejection	CMR	$-55^{\circ}C$	$\pm 15V$	$R_L = 500 \Omega$, $F = DC$, $V_{CM} = \pm 9V$	70		dB
5	Output Voltage, $I_O = 8A$	V_O	$125^{\circ}C$	$\pm 16V$	$R_L = 1 \Omega$	8		V
5	Output Voltage, $I_O = 68mA$	V_O	$125^{\circ}C$	$\pm 40V$	$R_L = 500 \Omega$	34		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	$125^{\circ}C$	$\pm 34V$	$R_L = 500 \Omega$, $A_V = 1$, $C_L = 1.5nF$		1	mV
5	Slew Rate	SR	$125^{\circ}C$	$\pm 34V$	$R_L = 500 \Omega$	1	10	V/ μs
5	Open Loop Gain	A_{OL}	$125^{\circ}C$	$\pm 34V$	$R_L = 500 \Omega$, $F = 10 Hz$	94		dB
5	Common Mode Rejection	CMR	$125^{\circ}C$	$\pm 15V$	$R_L = 500 \Omega$, $F = DC$, $V_{CM} = \pm 9V$	70		dB

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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