

Table 4 Group A Inspection

SG Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
1 Quiescent Current	I _Q	25°C	±40V	V _{IN} =0, A _V =100, R _{CL} = 0.1 Ω		30	mA
1 Input Offset Voltage	V _{OS}	25°C	±40V	V _{IN} = 0, A _V = 100		±6	mV
1 Input Offset Voltage	V _{OS}	25°C	±10V	V _{IN} = 0, A _V = 100		±12	mV
1 Input Offset Voltage	V _{OS}	25°C	±45V	V _{IN} = 0, A _V = 100		±7	mV
1 Input Bias Current, +IN	+I _B	25°C	±40V	V _{IN} = 0		±30	pA
1 Input Bias Current, -IN	-I _B	25°C	±40V	V _{IN} = 0		±30	pA
1 Input Offset Current	I _{OS}	25°C	±40V	V _{IN} = 0		±30	pA
3 Quiescent Current	I _Q	-55°C	±40V	V _{IN} =0, A _V =100, R _{CL} = 0.1 Ω	75		mA
3 Input Offset Voltage	V _{OS}	-55°C	±40V	V _{IN} = 0, A _V = 100		±11.2	mV
3 Input Offset Voltage	V _{OS}	-55°C	±10V	V _{IN} = 0, A _V = 100		±17.2	mV
3 Input Offset Voltage	V _{OS}	-55°C	±45V	V _{IN} = 0, A _V = 100		±12.2	mV
3 Input Bias Current, +IN	+I _B	-55°C	±40V	V _{IN} = 0		±115	pA
3 Input Bias Current, -IN	-I _B	-55°C	±40V	V _{IN} = 0		±115	pA
3 Input Offset Current	I _{OS}	-55°C	±40V	V _{IN} = 0		±115	pA
2 Quiescent Current	I _Q	125°C	±40V	V _{IN} =0, A _V =100, R _{CL} = 0.1 Ω	30		mA
2 Input Offset Voltage	V _{OS}	125°C	±40V	V _{IN} = 0, A _V = 100		±12.5	mV
2 Input Offset Voltage	V _{OS}	125°C	±10V	V _{IN} = 0, A _V = 100		±18.5	mV
2 Input Offset Voltage	V _{OS}	125°C	±45V	V _{IN} = 0, A _V = 100		±13.5	mV
2 Input Bias Current, +IN	+I _B	125°C	±40V	V _{IN} = 0		±70	nA
2 Input Bias Current, -IN	-I _B	125°C	±40V	V _{IN} = 0		±70	nA
2 Input Offset Current	I _{OS}	125°C	±40V	V _{IN} = 0		±70	nA
4 Output Voltage, I _O = 5A	V _O	25°C	±18V	R _L = 2.07 Ω	10		V
4 Output Voltage, I _O = 80mA	V _O	25°C	±45V	R _L = 500 Ω	40		V
4 Output Voltage, I _O = 2A	V _O	25°C	±30V	R _L = 12 Ω	24		V
4 Current Limits	I _{CL}	25°C	±17V	R _L = 12 Ω, R _{CL} = 1 Ω	0.6	0.89	A
4 Stability/Noise	E _N	25°C	±40V	R _L = 100 Ω, A _V = 1, C _L = 0.33nF		1	mV
4 Slew Rate	SR	25°C	±40V	R _L = 500 Ω	2	10	V/μs
4 Open Loop Gain	A _{OL}	25°C	±40V	R _L = 500 Ω, F = 10 Hz	96		dB
4 Common Mode Rejection	CMR	25°C	±15V	R _L =500Ω, F=DC, V _{CM} =±9V	74		dB

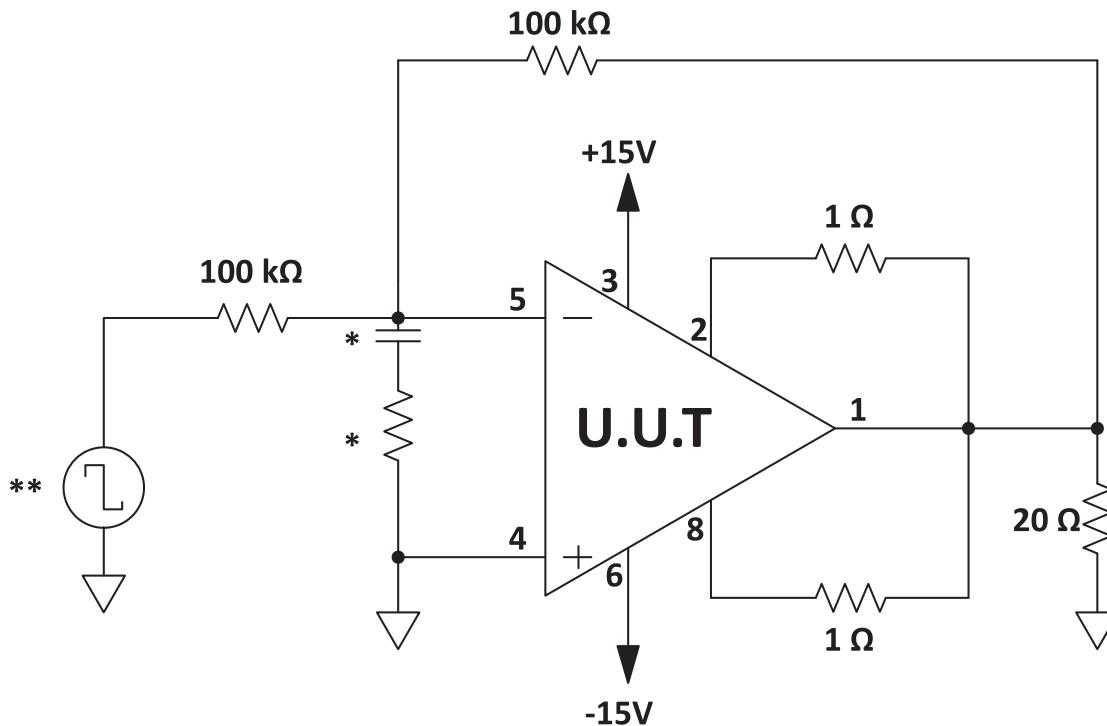
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SG Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
6 Output Voltage, $I_O = 5A$	V_O	-55°C	$\pm 18V$	$R_L = 2.07 \Omega$	10		V
6 Output Voltage, $I_O = 80mA$	V_O	-55°C	$\pm 45V$	$R_L = 500 \Omega$	40		V
6 Output Voltage, $I_O = 2A$	V_O	-55°C	$\pm 30V$	$R_L = 12 \Omega$	24		V
6 Stability/Noise	E_N	-55°C	$\pm 40V$	$R_L = 100 \Omega, A_V = 1, C_L = 0.33nF$		1	mV
6 Slew Rate	SR	-55°C	$\pm 40V$	$R_L = 500 \Omega$	2	10	V/ μ s
6 Open Loop Gain	A_{OL}	-55°C	$\pm 40V$	$R_L = 500 \Omega, F = 10 Hz$	96		dB
6 Common Mode Rejection	CMR	-55°C	$\pm 15V$	$R_L=500\Omega, F=DC, V_{CM}=\pm 9V$	74		dB
5 Output Voltage, $I_O = 3A$	V_O	125°C	$\pm 14.3V$	$R_L = 2.07 \Omega$	6.3		V
5 Output Voltage, $I_O = 80mA$	V_O	125°C	$\pm 45V$	$R_L = 500 \Omega$	40		V
5 Output Voltage, $I_O = 2A$	V_O	125°C	$\pm 30V$	$R_L = 12 \Omega$	24		V
5 Stability/Noise	E_N	125°C	$\pm 40V$	$R_L = 100 \Omega, A_V = 1, C_L = 0.33nF$		1	mV
5 Slew Rate	SR	125°C	$\pm 40V$	$R_L = 500 \Omega$	2	10	V/ μ s
5 Open Loop Gain	A_{OL}	125°C	$\pm 40V$	$R_L = 500 \Omega, F = 10 Hz$	96		dB
5 Common Mode Rejection	CMR	125°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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