

Table 4 Group A Inspection

SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
1	Quiescent Current	I_Q	25°C	±28V	$V_{IN} = 0, A_V = 100$		5	mA
1	Input Offset Voltage	V_{OS}	25°C	±28V	$V_{IN} = 0, A_V = 100$		±10	mV
1	Input Offset Voltage	V_{OS}	25°C	±10V	$V_{IN} = 0, A_V = 100$		±17.2	mV
1	Input Offset Voltage	V_{OS}	25°C	±30V	$V_{IN} = 0, A_V = 100$		±10.8	mV
1	Input Bias Current, +IN	+ I_B	25°C	±28V	$V_{IN} = 0$		±40	nA
1	Input Bias Current, -IN	- I_B	25°C	±28V	$V_{IN} = 0$		±40	nA
1	Input Offset Current	I_{OS}	25°C	±28V	$V_{IN} = 0$		±25	nA
3	Quiescent Current	I_Q	-55°C	±28V	$V_{IN} = 0, A_V = 100$		5	mA
3	Input Offset Voltage	V_{OS}	-55°C	±28V	$V_{IN} = 0, A_V = 100$		±15.2	mV
3	Input Offset Voltage	V_{OS}	-55°C	±10V	$V_{IN} = 0, A_V = 100$		±22.4	mV
3	Input Offset Voltage	V_{OS}	-55°C	±30V	$V_{IN} = 0, A_V = 100$		±16	mV
3	Input Bias Current, +IN	+ I_B	-55°C	±28V	$V_{IN} = 0$		±72	nA
3	Input Bias Current, -IN	- I_B	-55°C	±28V	$V_{IN} = 0$		±72	nA
3	Input Offset Current	I_{OS}	-55°C	±28V	$V_{IN} = 0$		±60	nA
2	Quiescent Current	I_Q	125°C	±28V	$V_{IN} = 0, A_V = 100$		7	mA
2	Input Offset Voltage	V_{OS}	125°C	±28V	$V_{IN} = 0, A_V = 100$		±16.5	mV
2	Input Offset Voltage	V_{OS}	125°C	±10V	$V_{IN} = 0, A_V = 100$		±23.7	mV
2	Input Offset Voltage	V_{OS}	125°C	±30V	$V_{IN} = 0, A_V = 100$		±17.3	mV
2	Input Bias Current, +IN	+ I_B	125°C	±28V	$V_{IN} = 0$		±80	nA
2	Input Bias Current, -IN	- I_B	125°C	±28V	$V_{IN} = 0$		±80	nA
2	Input Offset Current	I_{OS}	125°C	±28V	$V_{IN} = 0$		±80	nA
4	Output Voltage, $I_O = 5A$	V_O	25°C	±18.3V	$R_L = 2.07 \Omega$	10.3		V
4	Output Voltage, $I_O = 50mA$	V_O	25°C	±30V	$R_L = 500 \Omega$	25		V
4	Output Voltage, $I_O = 2A$	V_O	25°C	±30V	$R_L = 12 \Omega$	24		V
4	Current Limits	I_{CL}	25°C	±18V	$R_L = 12 \Omega, R_{CL} = 1 \Omega$	0.54	0.86	A
4	Stability/Noise	E_N	25°C	±28V	$R_L = 500 \Omega, A_V = 1, C_L = 10nF$		1	mV
4	Slew Rate	SR	25°C	±28V	$R_L = 500 \Omega$	1	10	V/ μ s
4	Open Loop Gain	A_{OL}	25°C	±28V	$R_L = 500 \Omega, F = 10 \text{ Hz}$	91		dB
4	Common Mode Rejection	CMR	25°C	±15V	$R_L = 500 \Omega, F = \text{DC}, V_{CM} = \pm 9V$	70		dB

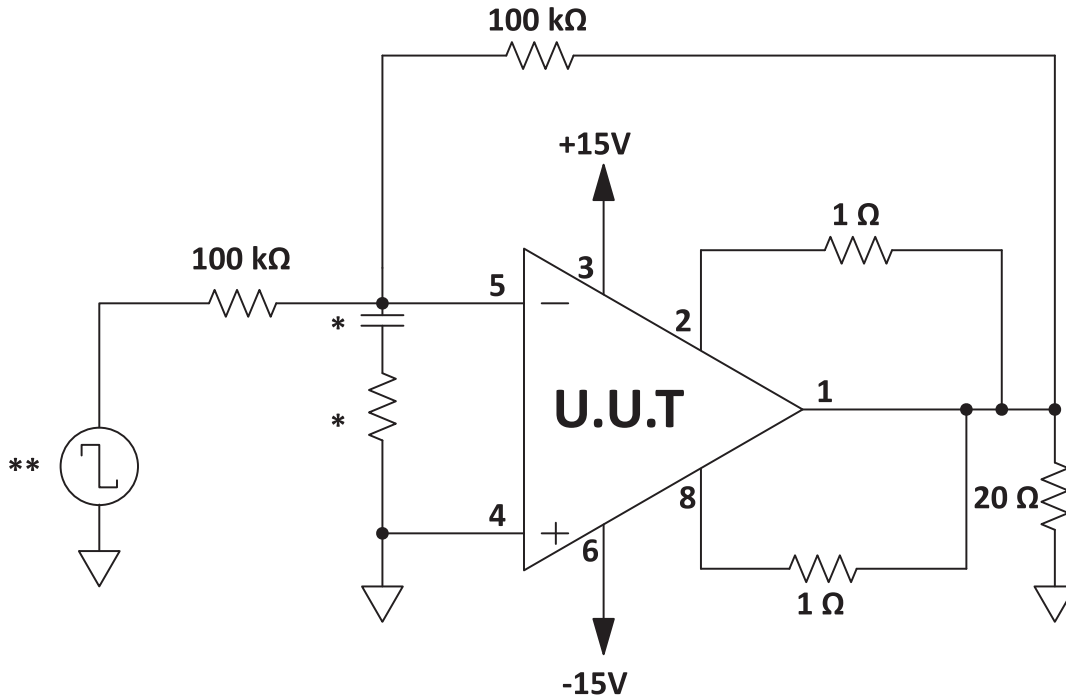
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SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
6	Output Voltage, $I_O = 5A$	V_O	$-55^\circ C$	$\pm 18.3V$	$R_L = 2.07 \Omega$	10.3		V
6	Output Voltage, $I_O = 50mA$	V_O	$-55^\circ C$	$\pm 30V$	$R_L = 500 \Omega$	25		V
6	Output Voltage, $I_O = 2A$	V_O	$-55^\circ C$	$\pm 30V$	$R_L = 12 \Omega$	24		V
6	Stability/Noise	E_N	$-55^\circ C$	$\pm 30V$	$R_L = 500 \Omega, A_V = 1, C_L = 10nF$		1	mV
6	Slew Rate	SR	$-55^\circ C$	$\pm 28V$	$R_L = 500 \Omega$	1	10	V/ μs
6	Open Loop Gain	A_{OL}	$-55^\circ C$	$\pm 28V$	$R_L = 500 \Omega, F = 10 Hz$	91		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, $I_O = 3A$	V_O	$125^\circ C$	$\pm 11.3V$	$R_L = 2.07 \Omega$	6.3		V
5	Output Voltage, $I_O = 50mA$	V_O	$125^\circ C$	$\pm 30V$	$R_L = 500 \Omega$	25		V
5	Output Voltage, $I_O = 2A$	V_O	$125^\circ C$	$\pm 30V$	$R_L = 12 \Omega$	24		V
5	Stability/Noise	E_N	$125^\circ C$	$\pm 28V$	$R_L = 500 \Omega, A_V = 1, C_L = 10nF$		1	mV
5	Slew Rate	SR	$125^\circ C$	$\pm 28V$	$R_L = 500 \Omega$	1	10	V/ μs
5	Open Loop Gain	A_{OL}	$125^\circ C$	$\pm 28V$	$R_L = 500 \Omega, F = 10 Hz$	91		dB
5	Common Mode Rejection	CMR	$125^\circ C$	$\pm 15V$	$R_L = 500 \Omega, F = DC, V_{CM} = \pm 9V$	70		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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