

Table 4 Group A Inspection

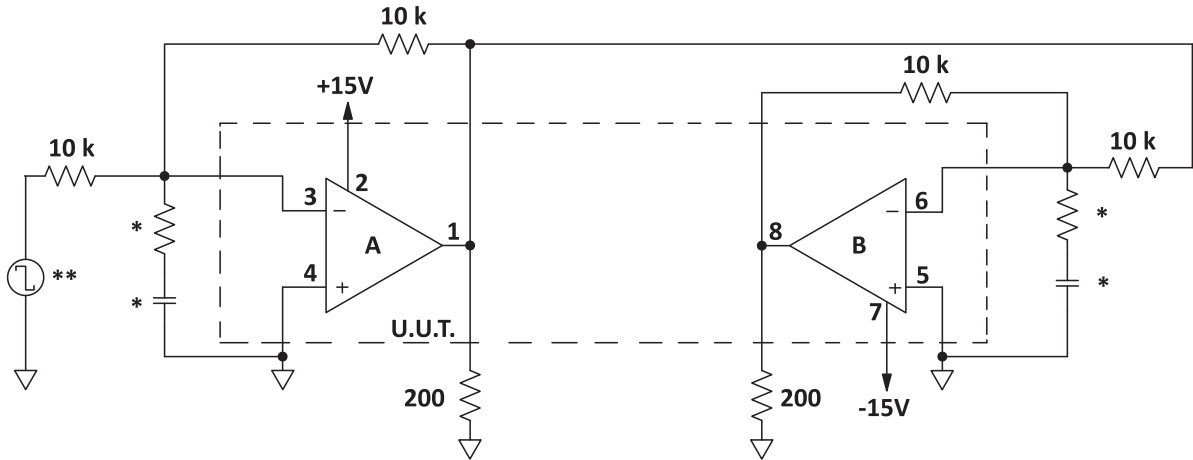
SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
1	Quiescent Current	I_Q	25°C	±15	$V_{IN} = 0, A_V = 100$		30	mA
1	Input Offset Voltage	V_{OS}	25°C	±2.5	$V_{IN} = 0, A_V = 100$		10	mV
1	Input Offset Voltage	V_{OS}	25°C	±15	$V_{IN} = 0, A_V = 100$		10	mV
1	Input Offset Voltage	V_{OS}	25°C	±20	$V_{IN} = 0, A_V = 100$		14	mV
1	Input Bias Current, +IN	+ I_B	25°C	±15	$V_{IN} = 0$		1000	nA
1	Input Bias Current, -IN	- I_B	25°C	±15	$V_{IN} = 0$		1000	nA
1	Input Offset Current	I_{OS}	25°C	±15	$V_{IN} = 0$		500	nA
3	Quiescent Current	I_Q	-55°C	±15	$V_{IN} = 0, A_V = 100$		30	mA
3	Input Offset Voltage	V_{OS}	-55°C	±2.5	$V_{IN} = 0, A_V = 100$		14	mV
3	Input Offset Voltage	V_{OS}	-55°C	±15	$V_{IN} = 0, A_V = 100$		14	mV
3	Input Offset Voltage	V_{OS}	-55°C	±20	$V_{IN} = 0, A_V = 100$		18	mV
3	Input Bias Current, +IN	+ I_B	-55°C	±15	$V_{IN} = 0$		1000	nA
3	Input Bias Current, -IN	- I_B	-55°C	±15	$V_{IN} = 0$		1000	nA
3	Input Offset Current	I_{OS}	-55°C	±15	$V_{IN} = 0$		500	nA
2	Quiescent Current	I_Q	125°C	±15	$V_{IN} = 0, A_V = 100$		40	mA
2	Input Offset Voltage	V_{OS}	125°C	±2.5	$V_{IN} = 0, A_V = 100$		15	mV
2	Input Offset Voltage	V_{OS}	125°C	±15	$V_{IN} = 0, A_V = 100$		15	mV
2	Input Offset Voltage	V_{OS}	125°C	±20	$V_{IN} = 0, A_V = 100$		19	mV
2	Input Bias Current, +IN	+ I_B	125°C	±15	$V_{IN} = 0$		1000	nA
2	Input Bias Current, -IN	- I_B	125°C	±15	$V_{IN} = 0$		1000	nA
2	Input Offset Current	I_{OS}	125°C	±15	$V_{IN} = 0$		500	nA
4	Output Voltage, $I_O = 2A$	V_O	25°C	±9.5	$R_L = 3 \Omega$	6.0		V
4	Output Voltage, $I_O = 100mA$	V_O	25°C	±11	$R_L = 100 \Omega$	9.9		V
4	Output Voltage, $I_O = 1A$	V_O	25°C	±4.8	$R_L = 3 \Omega$	2.8		V
4	Stability/Noise	E_N	25°C	±15	$R_L = 500 \Omega, A_V = 1, C_L = 1.5nF$		1.0	mV
4	Crosstalk	XTLK	25°C	±15	$R_L = 3 \Omega$	50		dB
4	Slew Rate	SR	25°C	±15	$R_L = 500 \Omega$	0.5		V/ μ s
4	Open Loop Gain	A_{OL}	25°C	±15	$R_L = 500 \Omega, F = 10 \text{ Hz}$	75		dB
4	Common Mode Rejection	CMR	25°C	±17	$R_L = 500 \Omega, V_{CM} = \pm 14V$	60		dB

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SG	Parameter	Symbol	Temp.	Power	Test Conditions	Min	Max	Units
6	Output Voltage, $I_O = 2A$	V_O	$-55^{\circ}C$	± 9.5	$R_L = 3 \Omega$	6.0		V
6	Output Voltage, $I_O = 100mA$	V_O	$-55^{\circ}C$	± 11	$R_L = 100 \Omega$	9.9		V
6	Output Voltage, $I_O = 1A$	V_O	$-55^{\circ}C$	± 4.8	$R_L = 3 \Omega$	2.8		V
6	Stability/Noise	E_N	$-55^{\circ}C$	± 15	$R_L = 500 \Omega, A_V = 1, C_L = 1.5nF$		1.0	mV
6	Slew Rate	SR	$-55^{\circ}C$	± 15	$R_L = 500 \Omega$	0.5		V/ μs
6	Open Loop Gain	A_{OL}	$-55^{\circ}C$	± 15	$R_L = 500 \Omega, F = 10 Hz$	75		dB
6	Common Mode Rejection	CMR	$-55^{\circ}C$	± 17	$R_L = 500 \Omega, V_{CM} = \pm 14V$	60		dB
5	Output Voltage, $I_O = 1A$	V_O	$125^{\circ}C$	± 4.8	$R_L = 3 \Omega$	2.8		V
5	Output Voltage, $I_O = 100mA$	V_O	$125^{\circ}C$	± 11	$R_L = 100 \Omega$	9.9		V
5	Output Voltage, $I_O = 750mA$	V_O	$125^{\circ}C$	± 4.0	$R_L = 3 \Omega$	2.25		V
5	Stability/Noise	E_N	$125^{\circ}C$	± 15	$R_L = 500 \Omega, A_V = 1, C_L = 1.5nF$		1.0	mV
5	Slew Rate	SR	$125^{\circ}C$	± 15	$R_L = 500 \Omega$	0.5		V/ μs
5	Open Loop Gain	A_{OL}	$125^{\circ}C$	± 15	$R_L = 500 \Omega, F = 10 Hz$	75		dB
5	Common Mode Rejection	CMR	$125^{\circ}C$	± 17	$R_L = 500 \Omega, V_{CM} = \pm 14V$	60		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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