Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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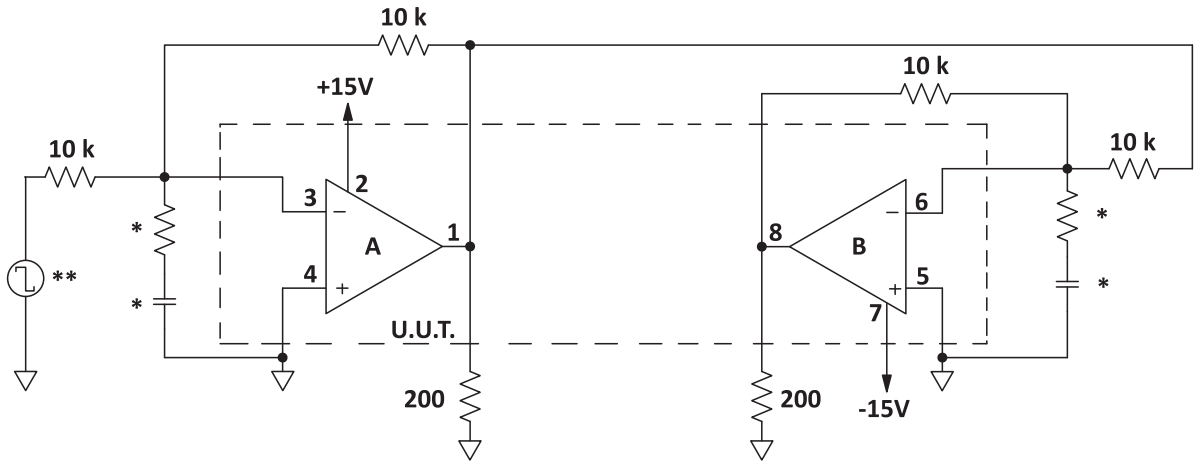
Table 4 Group A Inspection

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 Ω	6.0		V
4	Output Voltage, I_O = 100mA	V_O	25°C	±11	R_L = 100 Ω	9.9		V
4	Output Voltage, I_O = 1A	V_O	25°C	±4.8	R_L = 3 Ω	2.8		V
4	Stability/Noise	E_N	25°C	±15	R_L = 500 Ω, A_V = 1 C_L = 1.5nF		1.0	mV
4	Crosstalk	XTLK	25°C	±15	R_L = 3 Ω	50		dB
4	Slew Rate	SR	25°C	±15	R_L = 500 Ω	0.5		V/µs
4	Open Loop Gain	A_{OL}	25°C	±15	R_L = 500 Ω, F = 10 Hz	75		dB
4	Common Mode Rejection	CMR	25°C	±17	R_L = 500 Ω, V_{CM} = ±14V	60		dB

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