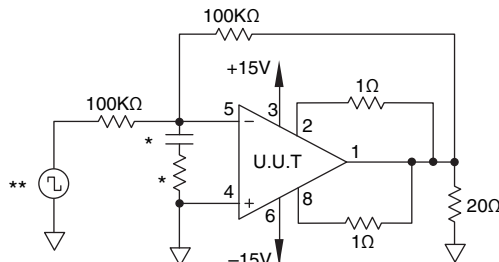


**Table 4 Group A Inspection**

SG	PARAMETER	SYMBOL	TEMP.	POWER	TEST CONDITIONS	MIN	MAX	UNITS
1	Quiescent Current	$I_O$	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	$I_O$	-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	$I_O$	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	$R_L = 12\Omega, R_{CL} = 1\Omega$	.54	.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/ $\mu$ s
4	Open Loop Gain	$A_{OL}$	25°C	±28V	$R_L = 500\Omega, F = 10Hz$	91		dB
4	Common Mode Rejection	CMR	25°C	±15V	$R_L = 500\Omega, F = DC, V_{CM} = \pm 9V$	70		dB
6	Output Voltage, $I_O = 5A$	$V_O$	-55°C	±18.3V	$R_L = 2.07\Omega$	10.3		V
6	Output Voltage, $I_O = 50mA$	$V_O$	-55°C	±30V	$R_L = 500\Omega$	25		V
6	Output Voltage, $I_O = 2A$	$V_O$	-55°C	±30V	$R_L = 12\Omega$	24		V
6	Stability/Noise	$E_N$	-55°C	±30V	$R_L = 500\Omega, A_V = 1, C_L = 10nF$		1	mV
6	Slew Rate	SR	-55°C	±28V	$R_L = 500\Omega$	1	10	V/ $\mu$ s
6	Open Loop Gain	$A_{OL}$	-55°C	±28V	$R_L = 500\Omega, F = 10Hz$	91		dB
6	Common Mode Rejection	CMR	-55°C	±15V	$R_L = 500\Omega, F = DC, V_{CM} = \pm 9V$	70		dB
5	Output Voltage, $I_O = 3A$	$V_O$	125°C	±11.3V	$R_L = 2.07\Omega$	6.3		V
5	Output Voltage, $I_O = 50mA$	$V_O$	125°C	±30V	$R_L = 500\Omega$	25		V
5	Output Voltage, $I_O = 2A$	$V_O$	125°C	±30V	$R_L = 12\Omega$	24		V
5	Stability/Noise	$E_N$	125°C	±28V	$R_L = 500\Omega, A_V = 1, C_L = 10nF$		1	mV
5	Slew Rate	SR	125°C	±28V	$R_L = 500\Omega$	1	10	V/ $\mu$ s
5	Open Loop Gain	$A_{OL}$	125°C	±28V	$R_L = 500\Omega, F = 10Hz$	91		dB
5	Common Mode Rejection	CMR	125°C	±15V	$R_L = 500\Omega, F = DC, V_{CM} = \pm 9V$	70		dB

**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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## CONTACTING CIRRUS LOGIC SUPPORT

For all Apex Precision Power product questions and inquiries, call toll free 800-546-2739 in North America.

For inquiries via email, please contact [apex.support@cirrus.com](mailto:apex.support@cirrus.com).

International customers can also request support by contacting their local Cirrus Logic Sales Representative.

To find the one nearest to you, go to [www.cirrus.com](http://www.cirrus.com)

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