

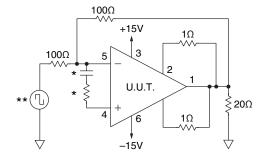
Product Innovation From



Table 4 Group A Inspection

SG	PARAMETER	SYMBOL	TEMP.	POWER	TEST CONDITIONS	MIN	MAX	UNITS
1 1 1 1 1 1	Quiescent Current Input Offset Voltage Input Offset Voltage Input Offset Voltage Input Bias Current, +IN Input Bias Current, -IN Input Offset Current	I	25°C 25°C 25°C 25°C 25°C 25°C 25°C	±32V ±32V ±10V ±45V ±32V ±32V ±32V	$V_{IN} = 0, A_{v} = 100$ $V_{IN} = 0$ $V_{IN} = 0$ $V_{IN} = 0$ $V_{IN} = 0$		10 ±6 ±10.4 ±8.6 ±30 ±30	mA mV mV nA nA
3 3 3 3 3 3	Quiescent Current Input Offset Voltage Input Offset Voltage Input Offset Voltage Input Bias Current, +IN Input BiasCurrent, -IN Input Offset Current	I	-55°C -55°C -55°C -55°C -55°C -55°C -55°C	±32V ±32V ±10V ±45V ±32V ±32V	$\begin{aligned} &V_{IN} = 0, A_{V} = 100 \\ &V_{IN} = 0 \\ &V_{IN} = 0 \\ &V_{IN} = 0 \end{aligned}$		10 ±11.2 ±15.6 ±13.8 ±115 ±115	mA mV mV nA nA
2 2 2 2 2 2 2 2	Quiescent Current Input Offset Voltage Input Offset Voltage Input Offset Voltage Input Bias Current, +IN Input Bias Current, -IN Input Offset Current	I	125°C 125°C 125°C 125°C 125°C 125°C 125°C	±32V ±32V ±10V ±45V ±32V ±32V	$\begin{aligned} &V_{IN} = 0, A_V = 100 \\ &V_{IN} = 0 \\ &V_{IN} = 0 \\ &V_{IN} = 0 \end{aligned}$		15 ±12.5 ±16.9 ±15.1 ±70 ±70	mA mV mV nA nA
4 4 4 4 4 4	Output Voltage, I _o = 10A Output Voltage, I _o = 80mA Output Voltage, I _o = 4A Current Limits Stability/Noise Slew Rate Open Loop Gain Common Mode Rejection	V° V° I _{CL} E _N SR A _{OL} CMR	25°C 25°C 25°C 25°C 25°C 25°C 25°C 25°C	±17V ±45V ± 30V ±15V ±32V ±32V ±32V ±15V	$\begin{split} R_{L} &= 1\Omega \\ R_{L} &= 500\Omega \\ R_{L} &= 6\Omega \\ R_{L} &= 6\Omega, R_{CL} = 1\Omega \\ R_{L} &= 500\Omega, A_{V} = 1, C_{L} = 10nF \\ R_{L} &= 500\Omega \\ R_{L} &= 500\Omega, F = 10Hz \\ R_{L} &= 500\Omega, F = DC, V_{CM} = \pm 9V \end{split}$	10 40 24 .56 1 96 74	.88 1 10	V V V A mV V/µs dB dB
6 6 6 6 6 6	Output Voltage, I _o = 10A Output Voltage, I _o = 80mA Output Voltage, I _o = 4A Stability/Noise Slew Rate Open Loop Gain CommonMode Rejection	V° V° E _N SR A _{OL} CMR	-55°C -55°C -55°C -55°C -55°C -55°C -55°C	±17V ±45V ±30V ±32V ±32V ±32V ±15V	$\begin{aligned} R_{L} &= 1\Omega \\ R_{L} &= 500\Omega \\ R_{L} &= 6\Omega \\ R_{L} &= 500\Omega, \ A_{V} = 1, \ C_{L} = 10nF \\ R_{L} &= 500\Omega \\ R_{L} &= 500\Omega, \ F = 10Hz \\ R_{L} &= 500\Omega, \ F = DC, \ V_{CM} = \pm 9V \end{aligned}$	10 40 24 1 96 74	1 10	V V V mV V/µs dB dB
5 5 5 5 5 5 5 5	Output Voltage, I _o = 8A Output Voltage, I _o = 80mA Output Voltage, I _o = 4A Stability/Noise Slew Rate Open Loop Gain Common Mode Rejection	V _o V _o E _N SR A _o L CMR	125°C 125°C 125°C 125°C 125°C 125°C 125°C	±15V ±45V ±30V ±32V ±32V ±32V ±15V	$\begin{aligned} R_{L} &= 1\Omega \\ R_{L} &= 500\Omega \\ R_{L} &= 6\Omega \\ R_{L} &= 500\Omega, \ A_{V} = 1, \ C_{L} = 10nF \\ R_{L} &= 500\Omega, \ F = 10Hz \\ R_{L} &= 500\Omega, \ F = DC, \ V_{CM} = \pm 9V \end{aligned}$	8 40 24 1 96 74	1 10	V V V mV V/µs dB 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.





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.

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