

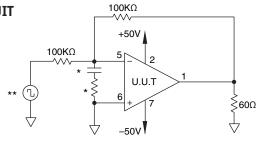
Product Innovation From



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 Bias Current, +IN Input Bias Current, -IN Input Offset Current	I	25°C 25°C 25°C 25°C 25°C 25°C	±150V ±150V ±15V ±150V ±150V ±150V	$V_{IN} = 0, A_{V} = 100$ $V_{IN} = 0, A_{V} = 100$ $V_{IN} = 0, A_{V} = 100$ $V_{IN} = 0$ $V_{IN} = 0$ $V_{IN} = 0$ $V_{IN} = 0$		7.5 3 5.7 50 50 50	mA mV mV pA pA pA
3 3 3 3 3	Quiescent Current 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	±150V ±150V ±15V ±150V ±150V ±150V	$V_{IN} = 0, A_{V} = 100$ $V_{IN} = 0, A_{V} = 100$ $V_{IN} = 0, A_{V} = 100$ $V_{IN} = 0$ $V_{IN} = 0$ $V_{IN} = 0$		9.5 5 7.7 50 50 50	mA mV mV pA pA pA
2 2 2 2 2 2	Quiescent Current Input Offset Voltage Input Offset Voltage Input Bias Current, +IN Input Bias Current, -IN Input Offset Current		125°C 125°C 125°C 125°C 125°C 125°C	±150V ±150V ±15V ±150V ±150V ±150V	$\begin{aligned} &V_{IN} = 0, A_{V} = 100 \\ &V_{IN} = 0, A_{V} = 100 \\ &V_{IN} = 0, A_{V} = 100 \\ &V_{IN} = 0 \\ &V_{IN} = 0 \\ &V_{IN} = 0 \end{aligned}$		9.5 5.5 8.2 10 10	mA mV mV nA nA
4 4 4 4 4 4	Output Voltage, I _o = 40mA Output Voltage, I _o = 28.6mA Output Voltage, I _o = 15mA Current Limits Stability/Noise Slew Rate Open Loop Gain Common Mode Rejection	V°° V°° I _{CL} EN SR A°L CMR	25°C 25°C 25°C 25°C 25°C 25°C 25°C 25°C	±47V ±150V ± 80V ± 20V ±150V ±150V ±150V ±32.5V	$\begin{aligned} R_{L} &= 1 \text{K} \\ R_{L} &= 5 \text{K} \\ R_{L} &= 5 \text{K} \\ R_{L} &= 100 \Omega \\ R_{L} &= 5 \text{K}, A_{V} = 1, C_{L} = 10 \text{nF} \\ R_{L} &= 5 \text{K}, C_{C} = 50 \text{pF} \\ R_{L} &= 5 \text{k}, F = 10 \text{Hz} \\ R_{L} &= 5 \text{k}, F = DC, V_{CM} = \pm 22.5 \text{V} \end{aligned}$	40 143 75 36 100 100 90	70 1 600	V V MA mV V/µs dB dB
6 6 6 6 6	Output Voltage, I _o = 40mA Output Voltage, I _o = 28.6mA Output Voltage, I _o = 15mA Stability/Noise Slew Rate Open Loop Gain Common Mode Rejection	V° V° V° E _N SR A _{OL} CMR	-55°C -55°C -55°C -55°C -55°C -55°C -55°C	±47V ±150V ±80V ±150V ±150V ±150V ±32.5V	$\begin{aligned} & R_L = 1K \\ & R_L = 5K \\ & R_L = 5K \\ & R_L = 5K, A_V = 1, C_L = 10nF \\ & R_L = 5K, C_C = 50pF \\ & R_L = 5K, F = 10Hz \\ & R_L = 5k, F = DC, V_{CM} = \pm 22.5V \end{aligned}$	40 143 75 100 100 90	1 600	V V V mV V/µs dB dB
5 5 5 5 5 5 5	Output Voltage, $I_{\odot} = 30 \text{mA}$ Output Voltage, $I_{\odot} = 28.6 \text{mA}$ Output Voltage, $I_{\odot} = 15 \text{mA}$ Stability/Noise Slew Rate Open Loop Gain Common Mode Rejection	V° V° E×SR A° CMR	125°C 125°C 125°C 125°C 125°C 125°C 125°C	±37V ±150V ±80V ±150V ±150V ±32.5V	$\begin{aligned} R_L &= 1 \text{K} \\ R_L &= 5 \text{K} \\ R_L &= 5 \text{K} \\ R_L &= 5 \hat{\text{I}}, \ A_V = 1, \ C_L = 10 \text{nF} \\ R_L &= 5 \text{K}, \ C_C = 50 \text{pF} \\ R_L &= 5 \text{K}, \ F = 10 \text{Hz} \\ R_L &= 5 \text{k}, \ F = DC, \ V_{\text{CM}} = \pm 22.5 \text{V} \end{aligned}$	30 143 75 100 100 90	1 600	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

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