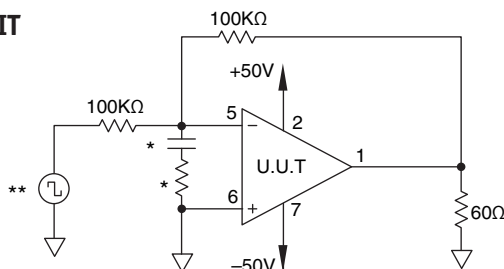


Table 4 Group A Inspection

SG	PARAMETER	SYMBOL	TEMP.	POWER	TEST CONDITIONS	MIN	MAX	UNITS
1	Quiescent Current	I_O	25°C	±150V	$V_{IN} = 0, A_V = 100$		7.5	mA
1	Input Offset Voltage	V_{OS}	25°C	±150V	$V_{IN} = 0, A_V = 100$		3	mV
1	Input Offset Voltage	V_{OS}	25°C	±15V	$V_{IN} = 0, A_V = 100$		5.7	mV
1	Input Bias Current, +IN	$+I_B$	25°C	±150V	$V_{IN} = 0$		50	pA
1	Input Bias Current, -IN	$-I_B$	25°C	±150V	$V_{IN} = 0$		50	pA
1	Input Offset Current	I_{OS}	25°C	±150V	$V_{IN} = 0$		50	pA
3	Quiescent Current	I_O	-55°C	±150V	$V_{IN} = 0, A_V = 100$		9.5	mA
3	Input Offset Voltage	V_{OS}	-55°C	±150V	$V_{IN} = 0, A_V = 100$		5	mV
3	Input Offset Voltage	V_{OS}	-55°C	±15V	$V_{IN} = 0, A_V = 100$		7.7	mV
3	Input Bias Current, +IN	$+I_B$	-55°C	±150V	$V_{IN} = 0$		50	pA
3	Input Bias Current, -IN	$-I_B$	-55°C	±150V	$V_{IN} = 0$		50	pA
3	Input Offset Current	I_{OS}	-55°C	±150V	$V_{IN} = 0$		50	pA
2	Quiescent Current	I_O	125°C	±150V	$V_{IN} = 0, A_V = 100$		9.5	mA
2	Input Offset Voltage	V_{OS}	125°C	±150V	$V_{IN} = 0, A_V = 100$		5.5	mV
2	Input Offset Voltage	V_{OS}	125°C	±15V	$V_{IN} = 0, A_V = 100$		8.2	mV
2	Input Bias Current, +IN	$+I_B$	125°C	±150V	$V_{IN} = 0$		10	nA
2	Input Bias Current, -IN	$-I_B$	125°C	±150V	$V_{IN} = 0$		10	nA
2	Input Offset Current	I_{OS}	125°C	±150V	$V_{IN} = 0$		10	nA
4	Output Voltage, $I_O = 40\text{mA}$	V_O	25°C	±47V	$R_L = 1\text{K}$	40		V
4	Output Voltage, $I_O = 28.6\text{mA}$	V_O	25°C	±150V	$R_L = 5\text{K}$	143		V
4	Output Voltage, $I_O = 15\text{mA}$	V_O	25°C	±80V	$R_L = 5\text{K}$	75		V
4	Current Limits	I_{CL}	25°C	±20V	$R_L = 100\Omega$	36	70	mA
4	Stability/Noise	E_N	25°C	±150V	$R_L = 5\text{K}, A_V = 1, C_L = 10\text{nF}$		1	mV
4	Slew Rate	SR	25°C	±150V	$R_L = 5\text{K}, C_C = 50\text{pF}$	100	600	V/μs
4	Open Loop Gain	A_{OL}	25°C	±150V	$R_L = 5\text{k}, F = 10\text{Hz}$	100		dB
4	Common Mode Rejection	CMR	25°C	±32.5V	$R_L = 5\text{k}, F = \text{DC}, V_{CM} = \pm 22.5\text{V}$	90		dB
6	Output Voltage, $I_O = 40\text{mA}$	V_O	-55°C	±47V	$R_L = 1\text{K}$	40		V
6	Output Voltage, $I_O = 28.6\text{mA}$	V_O	-55°C	±150V	$R_L = 5\text{K}$	143		V
6	Output Voltage, $I_O = 15\text{mA}$	V_O	-55°C	±80V	$R_L = 5\text{K}$	75		V
6	Stability/Noise	E_N	-55°C	±150V	$R_L = 5\text{K}, A_V = 1, C_L = 10\text{nF}$		1	mV
6	Slew Rate	SR	-55°C	±150V	$R_L = 5\text{K}, C_C = 50\text{pF}$	100	600	V/μs
6	Open Loop Gain	A_{OL}	-55°C	±150V	$R_L = 5\text{K}, F = 10\text{Hz}$	100		dB
6	Common Mode Rejection	CMR	-55°C	±32.5V	$R_L = 5\text{k}, F = \text{DC}, V_{CM} = \pm 22.5\text{V}$	90		dB
5	Output Voltage, $I_O = 30\text{mA}$	V_O	125°C	±37V	$R_L = 1\text{K}$	30		V
5	Output Voltage, $I_O = 28.6\text{mA}$	V_O	125°C	±150V	$R_L = 5\text{K}$	143		V
5	Output Voltage, $I_O = 15\text{mA}$	V_O	125°C	±80V	$R_L = 5\text{K}$	75		V
5	Stability/Noise	E_N	125°C	±150V	$R_L = 5\text{k}, A_V = 1, C_L = 10\text{nF}$		1	mV
5	Slew Rate	SR	125°C	±150V	$R_L = 5\text{K}, C_C = 50\text{pF}$	100	600	V/μs
5	Open Loop Gain	A_{OL}	125°C	±150V	$R_L = 5\text{K}, F = 10\text{Hz}$	100		dB
5	Common Mode Rejection	CMR	125°C	±32.5V	$R_L = 5\text{k}, F = \text{DC}, V_{CM} = \pm 22.5\text{V}$	90		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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