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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 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_{o} V_{os} V_{os} $+I_{B}$ $-I_{B}$ I_{os}	25°C 25°C 25°C 25°C 25°C 25°C 25°C	±150V ±150V ±50V ±175V ±150V ±150V ±150V	$\begin{split} V_{_{\rm IN}} &= 0, A_{_{\rm V}} = 100 \\ V_{_{\rm IN}} &= 0, A_{_{\rm V}} = 100 \\ V_{_{\rm IN}} &= 0, A_{_{\rm V}} = 100 \\ V_{_{\rm IN}} &= 0, A_{_{\rm V}} = 100 \\ V_{_{\rm IN}} &= 0 \\ V_{_{\rm IN}} &= 0 \\ V_{_{\rm IN}} &= 0 \end{split}$		2.5 30 30 30 50 50 50	mA mV mV pA pA pA
3 3 3 3 3 3	Quiescent Current Input Offset Voltage Input Offset Voltage Input Bias Current, +IN Input BiasCurrent, -IN Input Offset Current	$\begin{matrix} I_{Q} \\ V_{OS} \\ V_{OS} \\ + I_{B} \\ - I_{B} \\ I_{OS} \end{matrix}$	-40°C -40°C -40°C -40°C -40°C -40°C	±150V ±150V ±50V ±150V ±150V ±150V	$\begin{split} V_{_{\rm IN}} &= 0, A_{_{\rm V}} = 100 \\ V_{_{\rm IN}} &= 0, A_{_{\rm V}} = 100 \\ V_{_{\rm IN}} &= 0, A_{_{\rm V}} = 100 \\ V_{_{\rm IN}} &= 0 \\ V_{_{\rm IN}} &= 0 \\ V_{_{\rm IN}} &= 0 \end{split}$		2.5 60 60 50 50 50	mA mV mV pA pA pA
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	$\begin{matrix} I_{o} \\ V_{os} \\ V_{os} \\ + I_{B} \\ - I_{B} \\ I_{os} \end{matrix}$	125°C 125°C 125°C 125°C 125°C 125°C 125°C 125°C	±150V ±150V ±50V ±175V ±150V ±150V ±150V	$\begin{split} V_{\rm IN} &= 0, A_{\rm V} = 100 \\ V_{\rm IN} &= 0, A_{\rm V} = 100 \\ V_{\rm IN} &= 0, A_{\rm V} = 100 \\ V_{\rm IN} &= 0, A_{\rm V} = 100 \\ V_{\rm IN} &= 0 \end{split}$		3 30 30 30 1 1 1	mA mV mV nA nA nA
4 4 4 4 4	Output Voltage Current Limits Stability/Noise Slew Rate Open Loop Gain Common Mode Rejection	V _o I _{cL} E _N SR A _{oL} CMR	25°C 25°C 25°C 25°C 25°C 25°C	±52V ±30V ±150V ±150V ±150V ±102V	$\begin{split} R_{L} &= 1 K, \ I_{O} = 40 mA \\ R_{L} &= 100 \Omega \\ R_{L} &= 5 K, \ A_{V} = 1, \ C_{L} = 10 nF, \ C_{C} = 68 pF \\ R_{L} &= 5 K, \ C_{C} = 6.8 pF \\ R_{L} &= 5 K, \ F = 15 Hz \\ R_{L} &= 5 K, \ F = DC, \ V_{CM} = \pm 90 V \end{split}$	40 50 5 90 84	125 10	V mA mVrms V/µs dB dB
6 6 6	Output Voltage Slew Rate Open Loop Gain Common Mode Rejection	V _o SR A _{o⊾} CMR	-40°C -40°C -40°C -40°C	±52V ±150V ±150V ±102V	$\begin{array}{l} {R_{_L} = 1K, I_{_O} = 40mA} \\ {R_{_L} = 5K, C_{_C} = 6.8pF} \\ {R_{_L} = 5K, F = 15Hz} \\ {R_{_L} = 5K, F = DC, V_{_{CM}} = \pm 90V} \end{array}$	40 5 90 80		V V/µs dB dB
5 5 5 5	Output Voltage Slew Rate Open Loop Gain Common Mode Rejection	V _o SR A _{o∟} CMR	125°C 125°C 125°C 125°C	±50V ±150V ±150V ±102V		30 5 90 80		V V/µs dB dB

The PA241M is available ONLY in the CE (8-pin TO-3) package style.

BURN IN CIRCUIT



- These components are used to stabilize device due to poor high frequency characteristics of burn in board.
- ** 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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