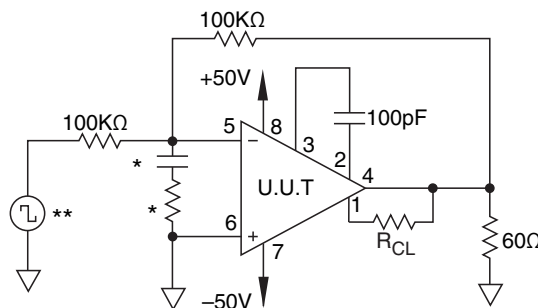


PA241M

| SG | PARAMETER | SYMBOL | TEMP. | POWER | TEST CONDITIONS | MIN | MAX | UNITS |
|----|-------------------------|----------|-------|-------|---|-----|-----|-------|
| 1 | Quiescent Current | I_O | 25°C | ±150V | $V_{IN} = 0, A_V = 100$ | | 2.5 | mA |
| 1 | Input Offset Voltage | V_{OS} | 25°C | ±150V | $V_{IN} = 0, A_V = 100$ | | 30 | mV |
| 1 | Input Offset Voltage | V_{OS} | 25°C | ±50V | $V_{IN} = 0, A_V = 100$ | | 30 | mV |
| 1 | Input Offset Voltage | V_{OS} | 25°C | ±175V | $V_{IN} = 0, A_V = 100$ | | 30 | 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 | -40°C | ±150V | $V_{IN} = 0, A_V = 100$ | | 2.5 | mA |
| 3 | Input Offset Voltage | V_{OS} | -40°C | ±150V | $V_{IN} = 0, A_V = 100$ | | 60 | mV |
| 3 | Input Offset Voltage | V_{OS} | -40°C | ±50V | $V_{IN} = 0, A_V = 100$ | | 60 | mV |
| 3 | Input Bias Current, +IN | $+I_B$ | -40°C | ±150V | $V_{IN} = 0$ | | 50 | pA |
| 3 | Input Bias Current, -IN | $-I_B$ | -40°C | ±150V | $V_{IN} = 0$ | | 50 | pA |
| 3 | Input Offset Current | I_{OS} | -40°C | ±150V | $V_{IN} = 0$ | | 50 | pA |
| 2 | Quiescent Current | I_O | 125°C | ±150V | $V_{IN} = 0, A_V = 100$ | | 3 | mA |
| 2 | Input Offset Voltage | V_{OS} | 125°C | ±150V | $V_{IN} = 0, A_V = 100$ | | 30 | mV |
| 2 | Input Offset Voltage | V_{OS} | 125°C | ±50V | $V_{IN} = 0, A_V = 100$ | | 30 | mV |
| 2 | Input Offset Voltage | V_{OS} | 125°C | ±175V | $V_{IN} = 0, A_V = 100$ | | 30 | mV |
| 2 | Input Bias Current, +IN | $+I_B$ | 125°C | ±150V | $V_{IN} = 0$ | | 1 | nA |
| 2 | Input Bias Current, -IN | $-I_B$ | 125°C | ±150V | $V_{IN} = 0$ | | 1 | nA |
| 2 | Input Offset Current | I_{OS} | 125°C | ±150V | $V_{IN} = 0$ | | 1 | nA |
| 4 | Output Voltage | V_O | 25°C | ±52V | $R_L = 1K, I_O = 40mA$ | 40 | | V |
| 4 | Current Limits | I_{CL} | 25°C | ±30V | $R_L = 100\Omega$ | 50 | 125 | mA |
| 4 | Stability/Noise | E_N | 25°C | ±150V | $R_L = 5K, A_V = 1, C_L = 10nF, C_C = 68pF$ | | 10 | mVrms |
| 4 | Slew Rate | SR | 25°C | ±150V | $R_L = 5K, C_C = 6.8pF$ | 5 | | V/μs |
| 4 | Open Loop Gain | A_{OL} | 25°C | ±150V | $R_L = 5K, F = 15Hz$ | 90 | | dB |
| 4 | Common Mode Rejection | CMR | 25°C | ±102V | $R_L = 5K, F = DC, V_{CM} = \pm 90V$ | 84 | | dB |
| 6 | Output Voltage | V_O | -40°C | ±52V | $R_L = 1K, I_O = 40mA$ | 40 | | V |
| 6 | Slew Rate | SR | -40°C | ±150V | $R_L = 5K, C_C = 6.8pF$ | 5 | | V/μs |
| 6 | Open Loop Gain | A_{OL} | -40°C | ±150V | $R_L = 5K, F = 15Hz$ | 90 | | dB |
| 6 | Common Mode Rejection | CMR | -40°C | ±102V | $R_L = 5K, F = DC, V_{CM} = \pm 90V$ | 80 | | dB |
| 5 | Output Voltage | V_O | 125°C | ±50V | $R_L = 1K, I_O = 30mA$ | 30 | | V |
| 5 | Slew Rate | SR | 125°C | ±150V | $R_L = 5K, C_C = 6.8pF$ | 5 | | V/μs |
| 5 | Open Loop Gain | A_{OL} | 125°C | ±150V | $R_L = 5K, F = 15Hz$ | 90 | | dB |
| 5 | Common Mode Rejection | CMR | 125°C | ±102V | $R_L = 5K, F = DC, V_{CM} = \pm 90V$ | 80 | | 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.