

OP484S

Table II - Electrical Characteristics for Qual Samples

| Parameter | Symbol | Conditions | Sub-groups | Limit Min | Limit Max | Units |
|--|------------|---|----------------------|-----------|-----------|------------------|
| $V_S = +5V, V_{CM} = 2.5V$ | | | | | | |
| Input Offset Voltage | V_{OS} | | 1 | | 200 | μV |
| | | | 2, 3 | | 400 | |
| | | | M, D, L, R <u>3/</u> | 1 | 600 | |
| Input Offset Current | I_{OS} | <u>1/</u> | 1, 2, 3 | | 50 | nA |
| | | | M, D, L, R <u>3/</u> | 1 | 400 | |
| Input Bias Current | I_B | <u>1/</u> | 1 | | 350 | |
| | | | 2, 3 | | 575 | |
| | | | M, D, L, R <u>3/</u> | 1 | 3000 | |
| Common Mode Rejection Ratio <u>4/</u> | CMRR | $V_{CM} = 1V \text{ to } 4V$ | 1, 2, 3 | 86 | | dB |
| Output High Voltage <u>4/</u> | V_{OH} | $I_L = 1mA$ | 4 | 4.8 | | V |
| Output Low Voltage <u>4/</u> | V_{OL} | $I_L = 1mA$ | 4 | | 125 | mV |
| Large Signal Voltage Gain | A_{VO} | $R_L \geq 2k\Omega$ $V_{OUT} = 1V \text{ to } 4V$ | 4 | 50 | | V/mV |
| | | | 5, 6 | 25 | | |
| | | $R_L \geq 10k\Omega$ $V_{OUT} = 1V \text{ to } 4V$ | M, D, L, R <u>3/</u> | 4 | 25 | |
| Supply Current <u>2/</u> | I_{SY} | $V_{OUT} = 2.5V$ | 1 | | 5.8 | mA |
| | | | M, D, L, R <u>3/</u> | 1 | 5.85 | |
| $V_S = \pm 15V, V_{CM} = 0V$ | | | | | | |
| Input Offset Voltage <u>4/</u> | V_{OS} | | 1 | | 250 | μV |
| | | | 2, 3 | | 500 | |
| Average Input Offset Voltage Drift <u>4/</u> | TCV_{OS} | | 8 | | 2.5 | $\mu V/^\circ C$ |
| Input Offset Current <u>4/</u> | I_{OS} | | 1, 2, 3 | | 50 | nA |
| Input Bias Current <u>4/</u> | I_B | | 1 | | 350 | nA |
| | | | 2, 3 | | 575 | |
| Common Mode Rejection Ratio <u>4/</u> | CMRR | $V_{CM} = -15V \text{ to } +15V$ | 1, 2, 3 | 80 | | dB |
| Power Supply Rejection Ratio <u>4/</u> | PSRR | $V_S = \pm 2V \text{ to } \pm 18V$ | 1, 2, 3 | 90 | | dB |
| Large Signal Voltage Gain <u>4/</u> | A_{VO} | $R_L \geq 2k\Omega$ $V_{OUT} = \pm 10V$ | 4 | 150 | | V/mV |
| | | | 5, 6 | 75 | | |
| Supply Current <u>2/</u> <u>4/</u> | I_{SY} | $V_{OUT} = 0V$ $V_S = \pm 18V, V_{OUT} = 0V$ | 1 | | 8 | mA |
| | | | 1, 2, 3 | | 9 | |

Table II Notes:

- 1/ Guaranteed by $V_S = \pm 15V$ test.
- 2/ limit = total all four amplifiers.
- 3/ I_{SY} Devices tested at 100Krad irradiation.
- 4/ Parameter not tested post irradiation.