

| Parameter | Symbol | Test conditions | Min | Typ | Max | Unit | |
|--------------------------|--------|-------------------------|------|------|-----|------|----|
| Output voltage | Vo | | 25°C | 8.64 | 9.0 | 9.36 | V |
| | | 12V Vi 24V, Io=1mA-40mA | | 8.55 | 9.0 | 9.45 | V |
| | | Io=1mA-70mA | | 8.55 | 9.0 | 9.45 | V |
| Load Regulation | Vo | Io=1mA-100mA | 25°C | | 19 | 90 | mV |
| | | Io=1mA-40mA | 25°C | | 11 | 40 | mV |
| Line regulation | Vo | 12V Vi 24V | 25°C | | 45 | 175 | mV |
| | | 13V Vi 24V | 25°C | | 40 | 125 | mV |
| Quiescent Current | Iq | | 25°C | | 4.1 | 6.0 | mA |
| Quiescent Current Change | Iq | 13V Vi 24V | | | | 1.5 | mA |
| | Iq | 1mA Io 40mA | | | | 0.1 | mA |
| Output Noise Voltage | VN | 10Hz f 100KHz | 25°C | 58 | | | |
| Ripple Rejection | RR | 15V Vi 25V, f=120Hz | | | 45 | | dB |
| Dropout Voltage | Vd | | 25°C | | 1.7 | | V |

TYPICAL APPLICATION



Note : Bypass capacitors are recommended for optimum stability and transient response and should be located as close as possible to the IC pins.

