

OPA690IDBVT 広帯域、電圧帰還型オペアンプ、ディスエーブル付き

Architecture Voltage FB
Number of channels (#) 1
Total supply voltage (Min) (+5V=5, +/-5V=10) 5
Total supply voltage (Max) (+5V=5, +/-5V=10) 12
GBW (Typ) (MHz) 500
BW @ Acl (MHz) 500
Acl, min spec gain (V/V) 1
Slew rate (Typ) (V/us) 1800
Vn at flatband (Typ) (nV/rtHz) 5.5
Vn at 1 kHz (Typ) (nV/rtHz) 5.5
Iq per channel (Typ) (mA) 5.5
Vos (offset voltage @ 25 C) (Max) (mV) 4
Rail-to-rail No
Features Shutdown
Rating Catalog
Operating temperature range (C) -40 to 85
CMRR (Typ) (dB) 65
Input bias current (Max) (pA) 10000000
Offset drift (Typ) (uV/C) 10
Output current (Typ) (mA) 190
2nd harmonic (dBc) 68
3rd harmonic (dBc) 70
@ MHz 5

特長

Flexible Supply Range:
5-V to 12-V Single Supply
 ± 2.5 -V to ± 5 -V Dual Supply
Unity-Gain Stable: 500 MHz (G = 1)
High Output Current: 190 mA
Output Voltage Swing: ± 4 V
High Slew Rate: 1800 V/ μ s
Low Supply Current: 5.5 mA
Low Disable Current: 100 μ A
Wideband 5-V Operation: 220 MHz (G = 2)

APPLICATIONS

Video Line Drivers
xDSL Line Drivers and Receivers
High-Speed Imaging Channels
ADC Buffers
Portable Instruments
Transimpedance Amplifiers
Active Filters

■Ti社の意向により、データシートの掲載を終了いたしました。

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