

OPA694IDBVTG4 RoHS 広帯域、低消費電力、電流フィードバック・アンプ

Architecture Current FB

Number of channels (#) 1

Total supply voltage (Min) (+5V=5, +/-5V=10) 7

Total supply voltage (Max) (+5V=5, +/-5V=10) 12.6

GBW (Typ) (MHz) 1500

BW @ Acl (MHz) 1500

Acl, min spec gain (V/V) 1

Slew rate (Typ) (V/us) 1700

Vn at flatband (Typ) (nV/rtHz) 2.1

Vn at 1 kHz (Typ) (nV/rtHz) 2.1

Iq per channel (Typ) (mA) 5.8

Vos (offset voltage @ 25 C) (Max) (mV) 3

Rail-to-rail No

Rating Catalog

Operating temperature range (C) -40 to 85

CMRR (Typ) (dB) 60

Input bias current (Max) (pA) 20000000

Offset drift (Typ) (uV/C) 15

Output current (Typ) (mA) 80

2nd harmonic (dBc) 68

3rd harmonic (dBc) 72

@ MHz 5

特長

UNITY GAIN STABLE BANDWIDTH: 1.5GHz

HIGH GAIN OF 2V/V BANDWIDTH: 690MHz

LOW SUPPLY CURRENT: 5.8mA

HIGH SLEW RATE: 1700V/ μ sec

HIGH FULL-POWER BANDWIDTH: 675MHz

LOW DIFFERENTIAL GAIN/PHASE: 0.03%/0.015°

Pb-FREE AND GREEN SOT23-5 PACKAGE

APPLICATIONS

WIDEBAND VIDEO LINE DRIVER

MATRIX SWITCH BUFFER

DIFFERENTIAL RECEIVER

ADC DRIVER

IMPROVED REPLACEMENT FOR OPA658

■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。

■TI社のWebサイトを参照する様にお願いいたします。