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# **VDSL, Dual Line Driver with Shutdown**

专业PCB打样工厂

### **FEATURES**

**Current feedback** Wide output swing 18.8 V p-p differential, (50 Ω RLOAD) from 12 V supply 20.0 V p-p differential, (100 Ω RLOAD) from 12 V supply **High output current** Linear output current of 250 mA peak Low distortion -100 dBc typical at 200 kHz -76 dBc typical at 4 MHz -66 dBc typical at 8 MHz -56 dBc typical at 16 MHz Low quiescent current 15 mA total **High speed** WWW.DZSC.COM 200 MHz bandwidth (Av DIFF = +2 dB, -3 dB) 900 V/ $\mu$ s slew rate (R<sub>LOAD</sub> = 50  $\Omega$ )

**PIN CONFIGURATION** Vcc 5 S 9 2 **4** € NC 12 NC -INA 2 11 -IN B +INA 3 10 +IN B GND 9 PD1 NC = NO CONNECT ø NC

,24小时加急出货

AD8398

Figure 1. Thermally Enhanced, 4 mm × 4 mm, 16-Lead LFCSP\_VQ

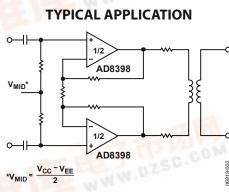


Figure 2. Typical PLC Driver Application

The AD8398 incorporates power management functionality via two CMOS-compatible control pins, PD0 and PD1. These pins select one of four operating modes: full power, medium power, low power, and complete power down. In the power-down mode, the quiescent current drops to 1.2 mA.

The AD8398 operates in the extended industrial temperature WWW.DZSC.COM range of -40°C to +85°C.

#### **GENERAL DESCRIPTION**

**APPLICATIONS VDSL** line driver

Rev. Sp0

**Consumer xDSL modems** 

**Twisted pair line drivers** 

The AD8398 comprises two high-speed current feedback operational amplifiers. The high output current, high bandwidth, and fast slew rate make it particularly well suited as the line driver in VDSL and VDSL2 applications. The AD8398 is available in a thermally enhanced 4 mm × 4 mm, 16-lead LFCSP.

For more information about the AD8398 email: amplifiers.comparators@analog.com.

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### NOTES

