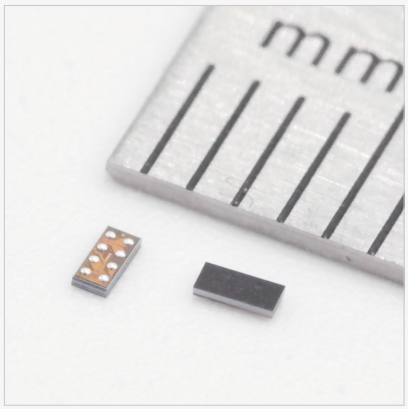
DW9767

Bi-VCM Driver IC with 8Kb eFlash



DW9767 is designed for linear control of bi-directional voice coil motors(Bi-VCM). DW9767 is a single 10-bit DAC with typical +/-100mA output current sinking capability and has 8Kbyte eFlash memory. This device features Smart Actuator Control (SAC™) mode which can minimize the mechanical vibration and achieve faster mechanical settling time. DW9767 operates from a single 2.3V to 3.3V supply. The internal DAC and the eFlash are controlled via an I^2C serial interface that operates at clock rate up to 1MHz.

DW9767 offers Power Down (PD) mode with current consumption less than 1uA. DW9767 has software protection feature, which enables to guard against inadvertent writes.

Features

- Typical ±100mA current sink
- 2.3V~3.3V power supply
- I^2C serial interface with 1.8V I/O
- VCM & eFlash I^2C slave ID selection
- ±100mA (Adj.) 10bit resolution DAC
- Upgrade Smart Actuator Control (SAC™) mode
- Embedded 8Kbyte eFlash memory

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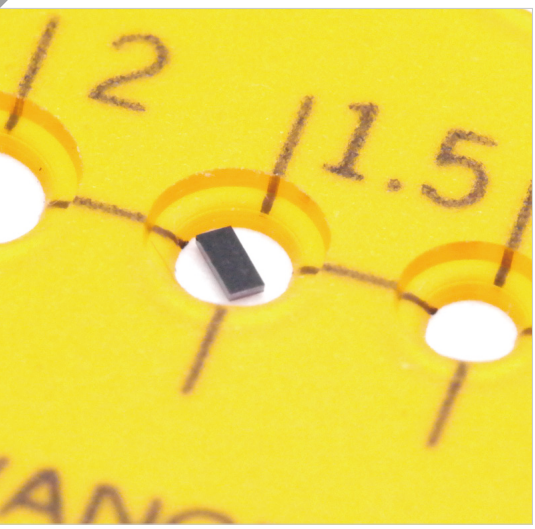


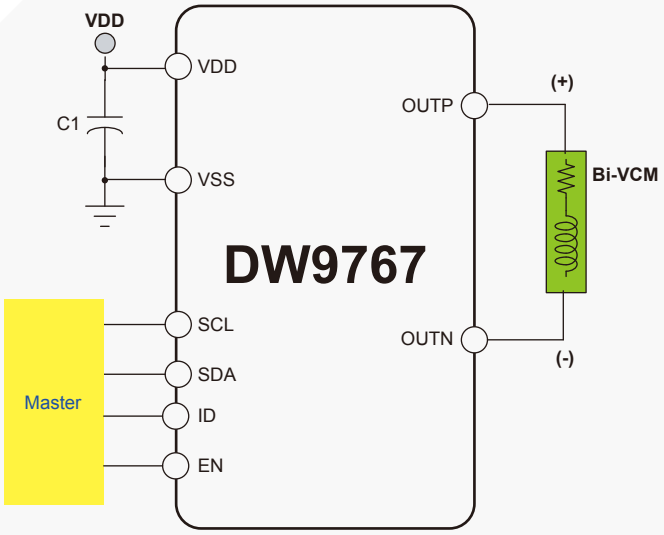
8 pin WLCSP

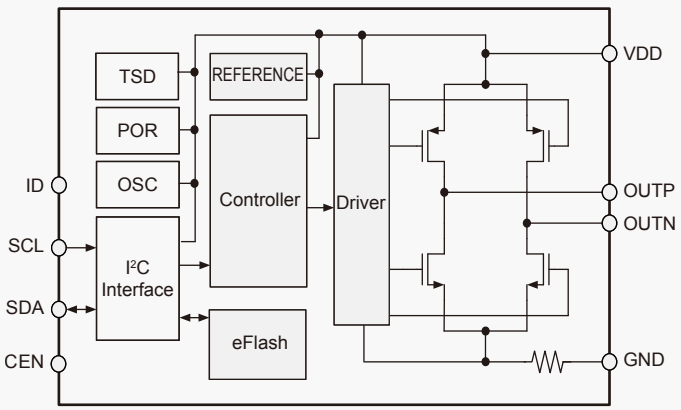
W 0.77 mm
H 1.70 mm
D 0.30 mm

Applications

- Mobile camera
- Digital camera
- Web/cameras
- Drone
- AR/VR camara

Typical Application





Block Diagram

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