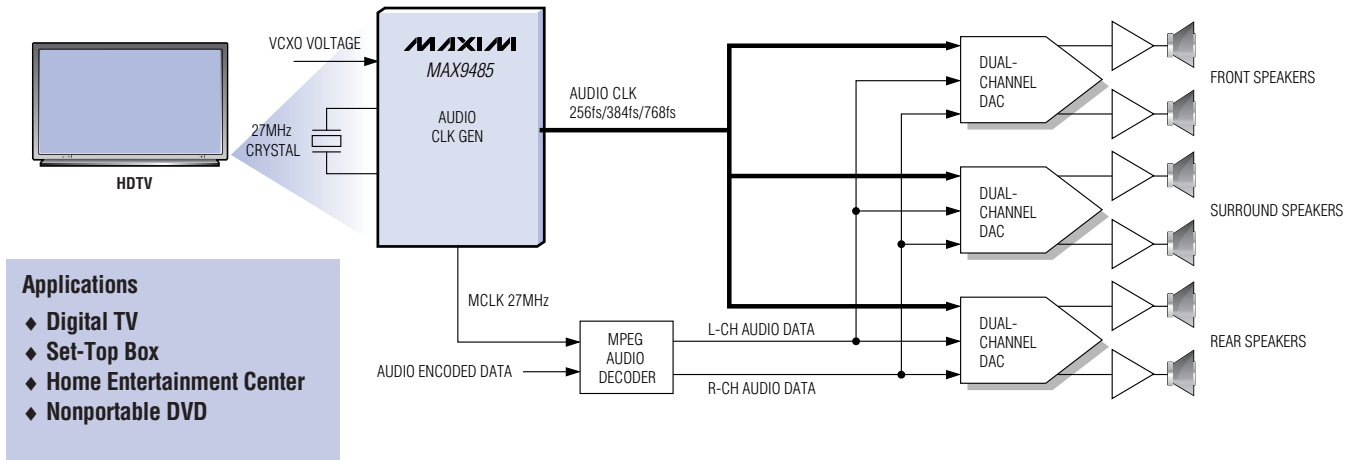


WORLD'S MOST VERSATILE AC3/MPEG II AUDIO CLOCK GENERATOR

The MAX9485's dual programmable outputs support a wide range of frequencies for audio DACs, from standard 12kHz to double sampling rate of 96kHz.



Applications

- ◆ Digital TV
- ◆ Set-Top Box
- ◆ Home Entertainment Center
- ◆ Nonportable DVD

- ◆ Single 3.3V Supply
- ◆ 27MHz Crystal with ± 30 ppm Frequency Reference
- ◆ Two Buffered Output Ports with Multiple Audio Clocks: 256fs, 384fs, and 768fs
- ◆ Supports Standard and Double Sampling Rates
- ◆ 400kbps I²C™ Interface Output-Clock Selections
- ◆ Separate Output-Clock Enable
- ◆ Low Jitter PLL ≤ 21 ps_{RMS} at 73MHz
- ◆ No External Components for PLL
- ◆ Integrated VCXO with ± 200 ppm Control Range
- ◆ High-Speed I²C for Frequency Selection
- ◆ Tri-Level Pins for CLK Rate Selection in Hardware Mode

| Part | Integrated VCXO | Input Crystal Frequency (MHz) | No. of Outputs | Programmable Outputs | Sampling Rate fs (kHz) | Pin-Package |
|------------|-----------------|-------------------------------|----------------|----------------------|--------------------------------|-------------|
| MAX9485EUP | Yes | 27, ± 30 ppm | 3 | 2 | 12, 32, 44.1, 48, 64, 88.2, 96 | 20-TQFN |
| MAX9485ETP | Yes | 27, ± 30 ppm | 3 | 2 | 12, 32, 44.1, 48, 64, 88.2, 96 | 20-TSSOP |

†1000-up recommended resale. Prices provided are for design guidance and are FOB USA. International prices will differ due to local duties, taxes, and exchange rates.

Not all packages are offered in 1k increments, and some may require minimum order quantities.

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