

SONY

CX20017

Dual 16 bit, 44 kHz, Multiplexed D/A

Description

The CX20017 is a 16 bit D/A converter IC for PCM audio using an integration system. Analog signals can be regenerated from 16 bit digital signals by adding an integrator, an analog switch, and a low-pass filter outside the IC.

The following circuits are included as additional functions:

- Two channels for integral current output and discharge signal output.
- Level shift circuit for direct interface with TTLs and MOS LSIs.
- Analog switch drive circuits, etc.

Functions

- 16 bit D/A converter.
- Clock buffer.
- TTL-ECL interface circuit.
- Discharge drive circuit.
- Analog switch drive circuit.

Construction

Silicon monolithic integrated circuit.

Absolute Maximum Ratings (Ta=25°C)

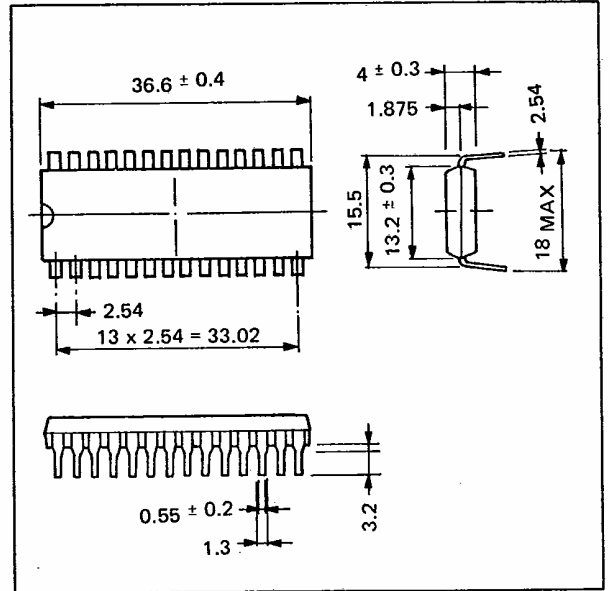
| | | | |
|--------------------------------|------------|-------------|----|
| • Power supply voltage: | VCC to VEE | 12 | V |
| • Circuit current: | ICC | 20 | mA |
| | IEE | -120 | mA |
| • Operating temperature: | Topr | -10 to +75 | °C |
| • Storage temperature: | Tstg | -50 to +150 | °C |
| • Allowable power dissipation: | PD | 2.1 | W |

Recommended Operating Conditions

| | | |
|-----|-----------|---|
| VCC | 5 ± 0.25 | V |
| VEE | -5 ± 0.25 | V |

Package Outline

Unit: mm



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