

**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)**

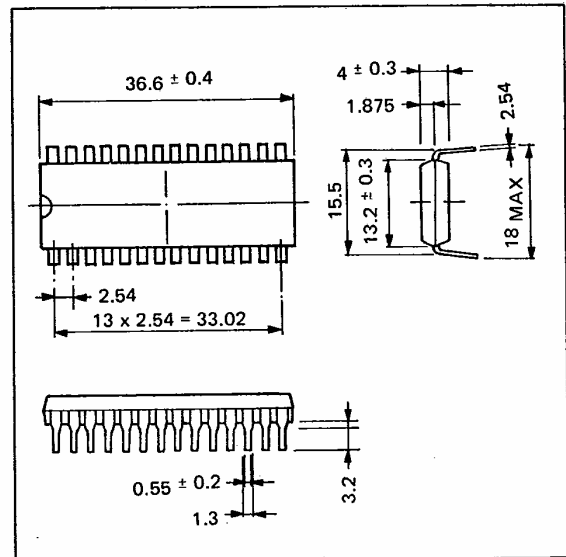
- |                                |                                    |             |    |
|--------------------------------|------------------------------------|-------------|----|
| • Power supply voltage:        | V <sub>CC</sub> to V <sub>EE</sub> | 12          | V  |
| • Circuit current:             | I <sub>CC</sub>                    | 20          | mA |
|                                | I <sub>EE</sub>                    | -120        | mA |
| • Operating temperature:       | T <sub>opr</sub>                   | -10 to +75  | °C |
| • Storage temperature:         | T <sub>stg</sub>                   | -50 to +150 | °C |
| • Allowable power dissipation: | P <sub>d</sub>                     | 2.1         | W  |

**Recommended Operating Conditions**

V <sub>CC</sub>	5 ± 0.25	V
V <sub>EE</sub>	-5 ± 0.25	V

Package Outline

Unit: mm



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