

**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 (T<sub>a</sub>=25°C)**

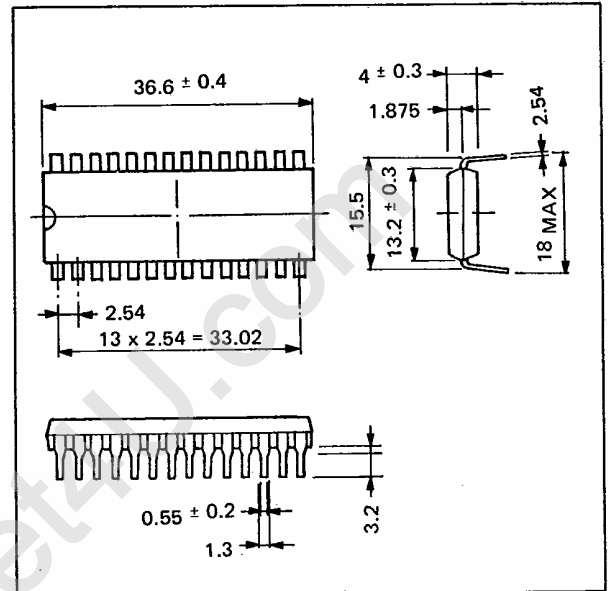
• Power supply voltage:	V <sub>CC</sub> to V <sub>EE</sub>	12	V
• Circuit current:	I <sub>CC</sub>	20	mA
	I <sub>EE</sub>	-120	mA
• Operating temperature:	T <sub>opr</sub>	-10 to +75	°C
• Storage temperature:	T <sub>stg</sub>	-50 to +150	°C
• Allowable power dissipation:	P <sub>D</sub>	2.1	W

**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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