SONY

CXA2202N

EIAJ Sound Multiplexing Decoder

Description

The CXA2202N, is a bipolar IC designed as EIAJ TV sound multiplexing decoder, provides various functions including sound multiplexing demodulation, broadcast mode identification (stereo/bilingual discrimination display), mode display, and muting.

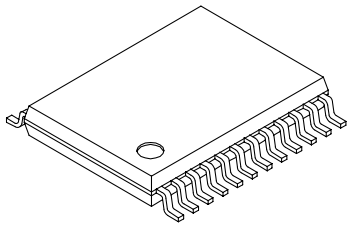
Features

- Adjustment free of filter
- High frequency stereo separation improved
- An internal active filter greatly reduces the external parts
- Use of the countdown method for broadcast mode identification eliminates the necessity of adjusting the identification system (Cue oscillator)
- Internal filter eliminates interference from digital facsimile signals
- The discrimination time needed to shift from multiplexing sound to monaural sound is reduced.
- Output level: 520mVrms (1kHz, monaural, 100%)
- Forced monaural mode can be set to operate only for stereo broadcasts or for stereo/bilingual broadcasts.

Applications

- Color TVs
- Hi-Fi VCRs

24 pin SSOP (Plastic)



Structure

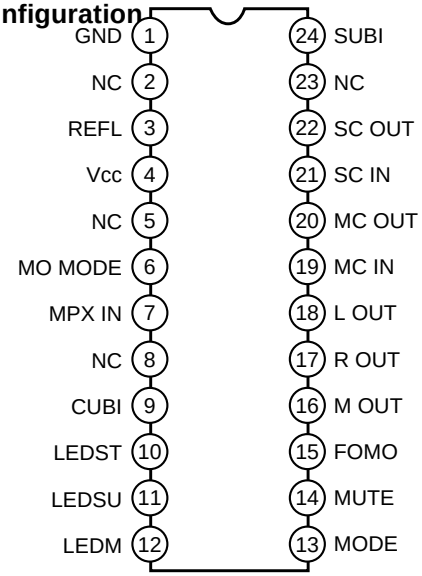
Bipolar silicon monolithic IC

Absolute Maximum Ratings (Ta = 25°C)

• Supply voltage	Vcc	10	V
• Input signal (Pin 7)	Vis	0.6	Vp-p
• Control voltage (Pins 6, 13, 14, 15)	Vic	Vcc	V
• Operating temperature	Topr	–20 to +75	°C
• Storage temperature	Tstg	–65 to +150	°C
• Allowable power dissipation	P_D	520	mW
• LED drive current	I_{LED}	10	mA

Operating Supply Voltage Range 8.5 to 9.5 V

Pin Configuration



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Block Diagram