

AN7312

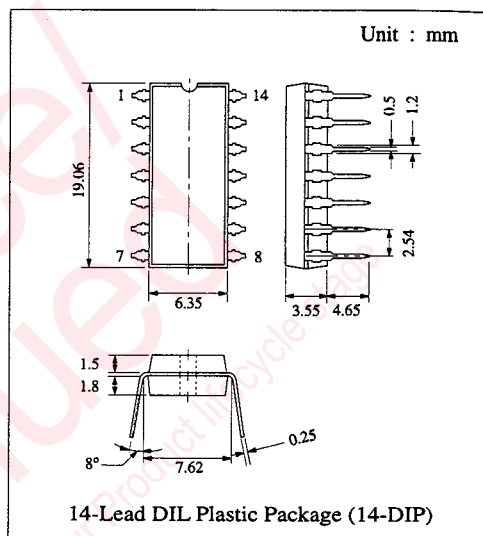
Dual Recording / Playback Pre-Amplifier Circuit with ALC

■ Description

The AN7312 is a monolithic integrated circuit designed for dual pre-amplifier circuit with ALC for record/playback amplifier of cassette tape recorder.

■ Features

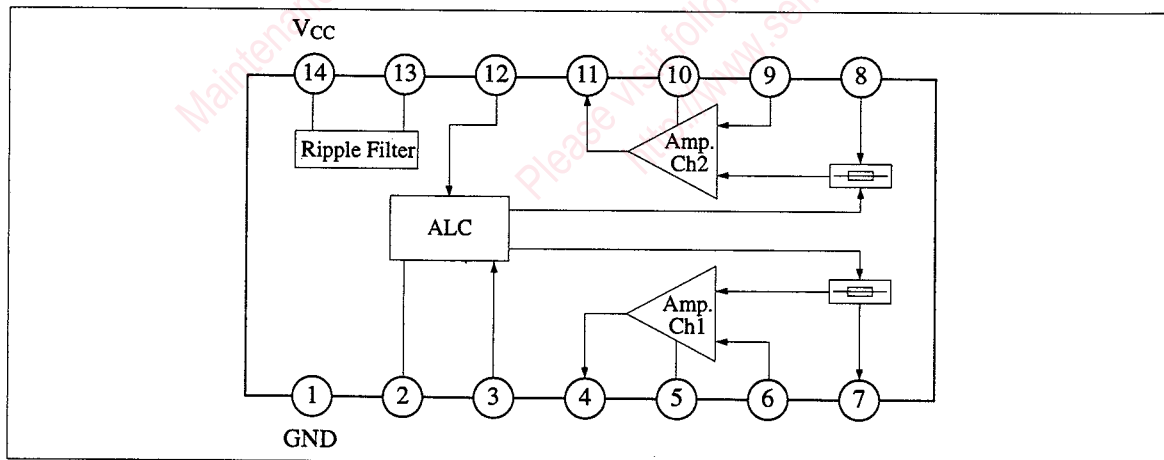
- High open loop gain
- Incorporates ALC detector circuit
- No input coupling condenser
- Low noise
- Low current consumption
- Wide ALC range
- Wide operating voltage range: $V_{CC} = 5V \sim 12V$
- Low power ON shock noise



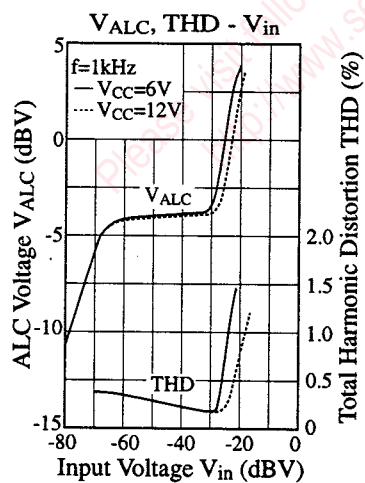
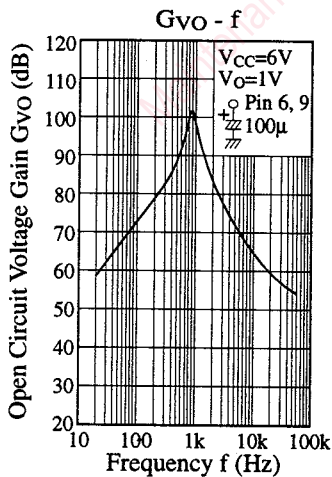
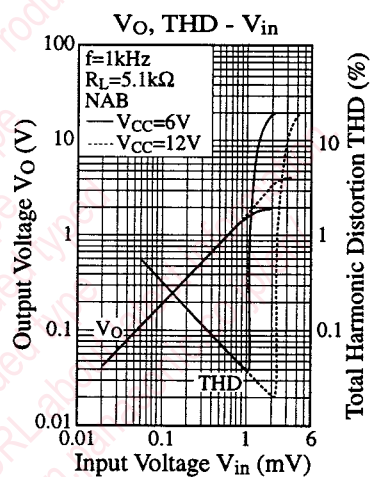
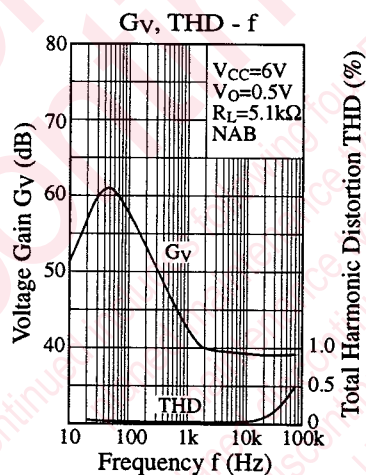
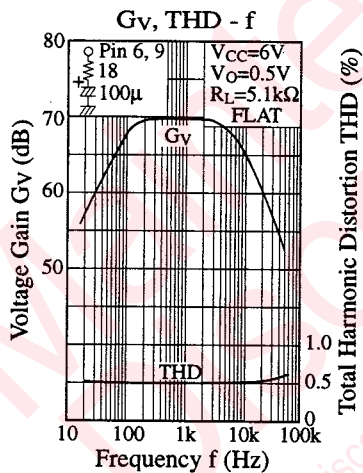
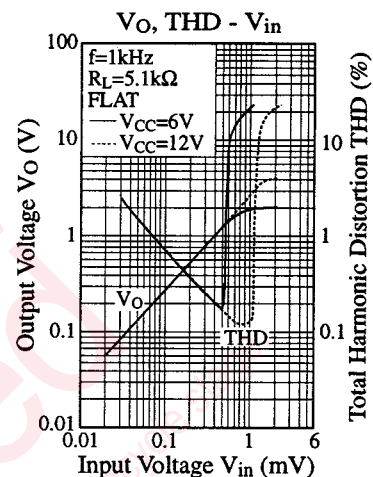
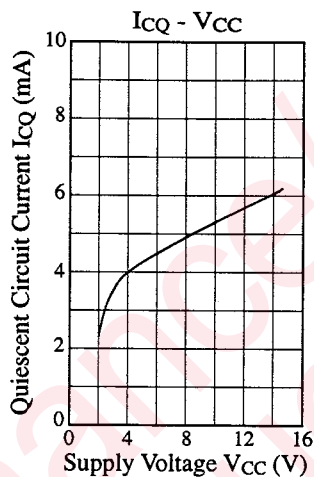
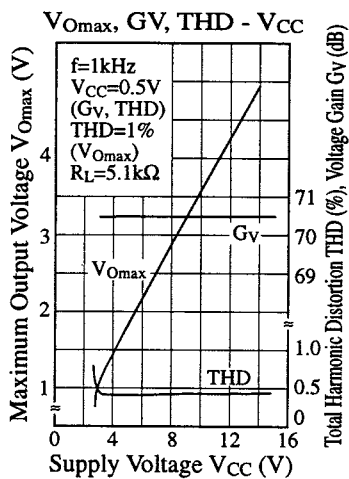
■ Pin

Pin No.	Pin Name	Pin No.	Pin Name
1	GND	8	Input Ch. 2
2	ALC Time Constant	9	N.F.B. Ch. 2
3	ALC Input Ch. 1	10	Phase Compensation Ch. 2
4	Output Ch. 1	11	Output Ch. 2
5	Phase Compensation Ch. 1	12	ALC Input Ch. 2
6	N.F.B. Ch. 1	13	Ripple Filter
7	Input Ch. 1	14	V _{CC}

■ Block Diagram



■ Characteristics Curve



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