

Product Code . JL-COA-1141



Study of Operational Amplifier as Sine to Square Wave Converter

Description

Study of Operational Amplifier as Sine to Square Wave Converter

This circuit is intended for single-supply comparators.

A sine wave can be converted to square wave by simply using a zero crossing detector.

For single-supply operation, a voltage divider biases the reference input and the sinusoidal input signal which has a negative and positive peak of -5 V and +5 V respectively is first converted to 0 V to 5 V sinusoid before feeding to the comparator.

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