



DPCM Trainer is a manifestation of our increasing efforts to present the modern technology in a best way to the people who want to unfold the mysteries behind the ever increasing communication super highway. To present it in a best way the trainer incorporates the practical operating frequencies for sampling, audio processing and data processing which are commonly used in our public telephone networks.

Features

- Onboard DPCM Transmitter and receiver.
- Onboard Signal generator block.
- Onboard Audio input processing circuit.
- Onboard audio output processing circuit.
- Clock and entire control Signal section.
- Detailed signal processing circuit with complete data and control signal flow.

Technical Specifications

Signal generator block	
Functions	: Sine and Square
O/P frequency range	: 300 Hz to 3.4 KHz
Audio blocks	: Audio I/P and O/P processing circuits
Control signals	: R/W for ADC, reset, Latch enables, OEs
Sampling frequency	: 8 KHz
Bits per sample	: 5 bits including sign bit
Bandwidth improvement	
Compared to 8 bit PCM	: 3 bits per sample.
Interconnections	: 2 mm socket
Power Supply	: $\pm 5V, \pm 12V$ DC, 200 mA

Note: Specifications are subject to change.

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