

Product Name :
QPSK DQPSK Demodulation Trainer

Product Code :
NLAB-ELECTRONICSAB160019



Description :

QPSK DQPSK Demodulation Trainer

Technical Specification :

Advance Digital Communicationn Trainer System that helps one under stand various Digital Modulation and Demodulation Techniques. Various functional block diagrams are provided on-board as an aid for Teaching/Training. These Kits are provided with various Test Points to visualize the signals on Oscilloscopes.

FEATURES:

Dibit Pair, Differential Encoding type DataFormat for decoding.

Receiver Clock generated by PLL method.

Switch faults are provided to study its effects on circuits.

Block Description screen printed on PCB.

In-Built Power Suppl

LIST OF EXPERIMENTS:

List of experiments are same for both 40620 and 40621.

40620 and 40621 are combined to perform the experiments.

SPECIFICATIONS:

Data Format (De-Coding)

Dibit Pair (I & Q), Differential Encoding of I & Q Bits.

Carrier Demodulation Techniques

DPSK Demodulation

DQPSK Demodulation

On-board features

Receiver Clock generated by PLL method

Switch Faults are provided on board to study different effects on circuit

Block Description Screen printed on glassy epoxy PCB

Interconnections

All interconnections are made using 2mm banana Patch cords

Test points are provided to analyze signals at various points.

All ICS are mounted on IC Sockets.

Bare board Tested Glass Epoxy SMOBC PCB is used.

In-Built Power Supply of +5V/1.5A, $\pm 12V/250mA$ with Power ON indication

Attractive enclosure

Set of 2mm Patch cords for interconnections

User's Manual with sample experiments programs.

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