



TRANSISTOR PRINTED CIRCUIT TRAINER, DEVICE 6B12A

TRAINING CATEGORY:

BASIC SCIENCE (Electronic)

ORIGINATING AGENCY:

NAVTRASYSNEN

SECURITY CLASSIFICATION:

Device 6B12A is unclassified.

FUNCTIONAL DESCRIPTION:

The Transistor Printed Circuit Trainer, Device 6B12A, is a transistorized version of a Navy Radar Special Circuit Chassis which consists of a main chassis unit, eleven (11) printed circuit boards, a chassis bracket, and a power cord. The basic circuits are fabricated on printed circuit boards which plug into sockets on the main chassis unit. The circuit included on each board is as follows: CB-1 Wien Bridge Oscillator; CB-2 Amplifier; CB-3 Biased Diode Limiter; CB-4 Differentiator and Limiter; CB-5 One-Shot Multivibrator; CB-6 Sawtooth Generator; CB-7 Phase Inverter; CB-8 Flip-Flop Multivibrator; CB-9 Blocking Oscillator; CB-10 Coincidence Circuit; CB-11 Transistor Tester.

The circuit boards have polarizing slots and guide pins arranged so that each board may be plugged into its respective socket only. The circuits are arranged in a logical sequence so that the output of one circuit board supplies the input for the following board. Each printed circuit board socket on the main chassis unit has associated with it test jacks for monitoring wave-forms and measuring circuit voltages. The trainer was designed to provide practical experience in the operation, adjustment, troubleshooting, and repair of transistor circuits on printed circuit boards.

EQUIPMENT SUPPLIED:

One (1) Transistor Printed Circuit Trainer, Device 6B12A. Over-all dimensions (inches) are 3 x 10 x 17.

POWER REQUIREMENTS:

117 VAC, 50-60 CPS, 50 W.

CONTRACT IDENTIFICATION:

Manufactured by Burtek, Inc., Tulsa, OK under NAVTRASYSNEN Contract No. N61339-66-C-0102.

LOCAL STOCK NUMBER:

6910-LL-C00-7184