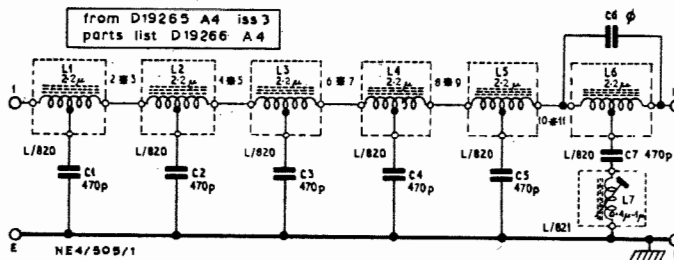


COLOUR-CODER DELAY NETWORK NE4/505



φ C6 to be fitted on test
 * Indicates links which may be removed to suit individual requirements.

Fig. 1 Circuit of the NE4/505

Introduction

This network comprises six delay sections, each introducing a delay of 30 ns. The frequency response of the complete network is -0.5 dB at 6 MHz and the characteristic impedance is 75 ohms.

The network is constructed on a printed-wiring board for incorporation as a sub-unit in other equipment.

Circuit Description

The circuit diagram is given in Fig. 1. The

network is an artificial line with a second-order final section to optimise the bandwidth of the response.

Maintenance

None required.

Reference

1. Designs Department Specification No. 8.240(66)

DEH 8/68