

PULSE DELAY UNIT UN14/504A-E

Introduction

The Pulse Delay Units UN14/504 A to E provide a flexible means of delaying television synchronising and blanking pulses as they are distributed. Each unit has 8 outputs, one of which is permanently connected to the maximum delay point. The remaining 7 outputs are taken from any tapping point within the delay range by means of wire straps. The tapping points are at 50-ns intervals. The arrangement is shown in Fig. 1.

The units are built onto printed boards and mounted in CH1/43A chassis. They are intended for use with the 8-channel buffer amplifier AM1/571 in the Pulse Delay Unit UN14/505 A-E. They have index pegs numbered 1, 2 and 4.

General Specification

<i>Input</i> (syncs or blanking pulses)	2 V p-p
<i>Input Impedance</i>	75 ohms
<i>Output Level</i> (all outputs)	-7 dB

Output Impedance high

Total Delays

UN14/504A	1 μ s
UN14/504B	2 μ s
UN14/504C	3 μ s
UN14/504D	4 μ s
UN14/504E	5 μ s

Reflections and Spurious Distortions less than 10%
(with up to 4 outputs from delay line tap)

Operating Temperature Range 10°C to 60°C

Note that, if more than 4 outputs are required from one delay line tap, it is inadvisable to take a feed also from an earlier tap on the line unless a worse level of reflection can be tolerated.

Routine maintenance is not required.

Reference

1. Designs Department Specification No. 8.287(68)

AIB 2/69

See overleaf for Fig. 1.

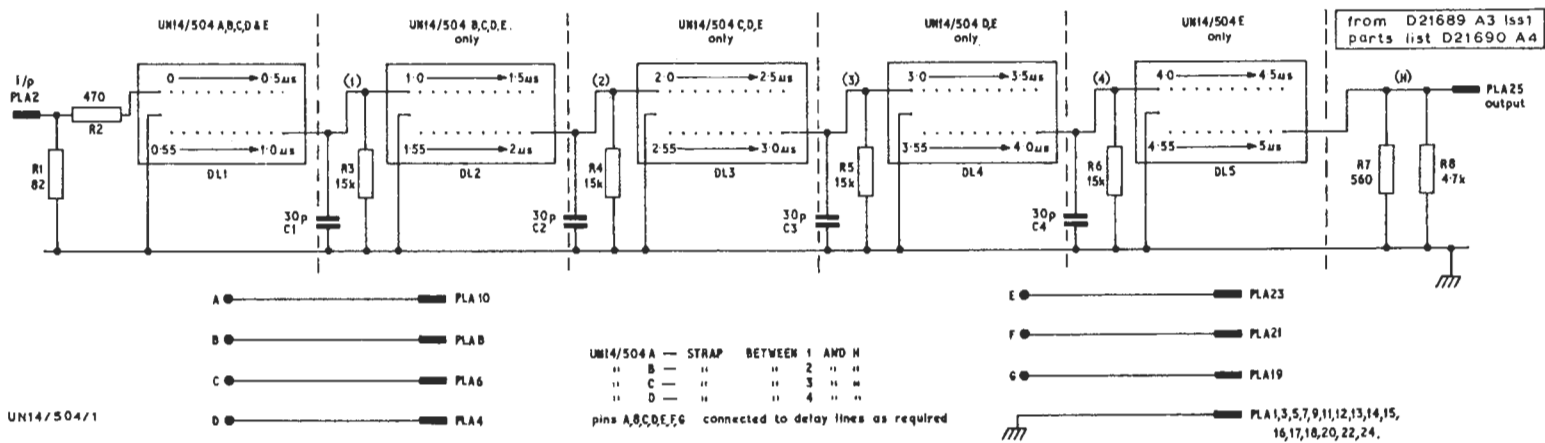


Fig. 1 Connections of the Pulse-delay Unit UN14/504

UN14/504/1