

# 5.5 MHZ VIDEO DELAY LINES

This range of video delay lines is designed to delay 5.5 MHz bandwidth video signals with minimum distortion. This range is fully phase equalised and give excellent response to pulse and bar test signals. They may be cascaded to give a wider range of delay times. Other delay times within the range can be produced to special order.

- Fixed and programmable versions
- Small size
- Excellent pulse characteristics
- Low Insertion Loss

| Delay time (ns)  | Insertion Loss (dB) | Order Code |
|------------------|---------------------|------------|
| 10               | < 0.1               | AF16B0010  |
| 20               | < 0.1               | AF16B0020  |
| 30               | < 0.2               | AF16B0030  |
| 40               | < 0.2               | AF16B0040  |
| 50               | < 0.2               | AF16B0050  |
| 75               | < 0.3               | AF16B0075  |
| 100              | < 0.3               | AF16B0100  |
| 200              | < 0.5               | AF28B0200  |
| 300              | < 0.8               | AF36B0300  |
| 400              | < 0.9               | AF36B0400  |
| 500              | < 1.0               | AF36B0500  |
| 600              | < 1.7               | AF40B0600  |
| 700              | < 1.8               | AF40B0700  |
| 800              | < 1.9               | AF40B0800  |
| 900              | < 2.0               | AF40B0900  |
| 1000             | < 2.2               | AF40B1000  |
| 5+10+20+40+80    | < 0.4               | AP28B0155  |
| 5+10+20+40+80+80 | < 0.5               | AP36B0235  |

## Common Specifications

|   |  |
|---|--|
| Impedance                                   | 75 ohms  |
| Tolerance on pulse delay time               | ± 2% or ± 2 ns                                   |
| Amplitude ripple to 5.5 MHz                 | < 0.1 dB up to 500 ns<br>< 0.2 dB up to 1000 ns  |
| Group delay ripple to 5.5 MHz wrt 200 kHz   | < ± 5 ns up to 500 ns<br>< ± 10 ns up to 1000 ns |
| Return Loss to 5.5 MHz                      | > 27 dB to 400 ns<br>> 25 dB to 1000 ns          |
| Pulse and bar k-rating, 2T                  | < 0.5%   |
| Luminance/Chrominance Gain Inequality (20T) | < 1%   |
| Luminance/Chrominance Delay Inequality      | < 5 ns   |
| Temperature range                           | 0 to 70 °C                                       |
| Aqueous Washable                            | Yes  |

# PACKAGE DETAIL

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Please contact factory for package details