

11.0 MHz VIDEO DELAY LINES

This range of video delay lines is designed to delay 11.0 MHz bandwidth video signals with minimum distortion. A feature of the range is the Low Insertion Loss. These delay lines give an excellent response and may be cascaded to give a wider range of delay times. The delay lines are packaged in 0.6" DIP modules. The pin outs are shown in the drawings although other pin outs can be supplied. The standard range of delay times is listed. We would be pleased to examine special requirements.

Delay time (ns)	Insertion Loss (dB)	Order Code	Package
10	< 0.1	BF16B0010	DR00254A
20	< 0.2	BF16B0020	DR00254A
30	< 0.3	BF16B0030	DR00254A
40	< 0.3	BF16B0040	DR00254A
50	< 0.4	BF16B0050	DR00254A
75	< 0.5	BF16B0075	DR00254A
100	< 0.6	BF16B0100	DR00254A
200	< 1.0	BF28B0200	DR00255A
300	< 1.6	BF36B0300	DR00043A
400	< 1.8	BF36B0400	DR00043A
500	< 2.0	BF40B0500	DR00130B
5+10+20+40+80	< 0.8	BP28B0155	DR00256A
5+10+20+40+80+80	< 1.0	BP36B0235	DR00097A

Common Specifications

Impedance	75 ohms
Tolerance on pulse delay time	$\pm 2\%$ or ± 2 ns (which ever is greater)
Amplitude ripple to 11.0 MHz	< 0.1 dB up to 200 ns < 0.2 dB up to 500 ns
Group delay ripple	< ± 5 ns up to 5.5 MHz < ± 10 ns up to 11.0 MHz
Return Loss to 11.0 MHz	> 20 dB
Pulse and bar k-rating, 2T	< 0.5%
Luminance/Chrominance Gain Inequality (20T)	< 1%
Luminance/Chrominance Delay Inequality (20T)	< 5 ns
Aqueous Washable	No
Temperature range	0 to 70 °C

PACKAGE DETAIL

