

# SELECTABLE WIDEBAND DELAY LINE MODULE SCD075A32

The SCD075A32 delay line is a passive, low cost selectable delay module designed to work in the unbalanced signal path prior to - or after - converting to or from balanced signal driving.

With long runs of balanced, twisted pair cable to remote VGA monitors, delay skew can become significant between the R, G and B signals resulting in an irritatingly poor display.

With one module<sup>1</sup> connected in each of the R, G and B signal paths the delay at the monitor end can be equalized to within a few nanoseconds resulting in an obvious improvement to the final picture quality. The module consists of 5 individually selectable delay sections of 16, 8, 4, 2 and 1 ns which, with a suitable switching arrangement, can be cascaded in any combination to accurately set a required delay.

- ? 32ns delay correction to over 100MHz bandwidth
- ? For use with Cat 5, 6 or 7 cable
- ? Can eliminate delay skew
- ? Designed for KVM systems distributing RGB video
- ? Adjustable to 1ns resolution

## Performance Specification

Impedance IN/OUT	75 ohms
3dB bandwidth	100MHz
Delay sections available (ns)	16, 8, 4, 2, 1
Insertion Loss @100kHz (all sections cascaded)	0.5dB
Delay ripple to 100MHz (all sections cascaded)	7ns
Delay tolerance between modules (all sections cascaded)	2ns
Package	DR00340B

<sup>1</sup> providing that the maximum delay skew is less than 32ns

# PACKAGE DETAIL

