

Series: TW/CLT Surface Mount Series

Description: Micro, Board-to-Board, 2.0mm Pitch, 18mm (0.709") Stack Height

## Time Domain Data Summary

Table 3 - Single-Ended Impedance ( $\Omega$ )							
Signal Risetime	30 $\pm$ 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	110.5	103.8	91.3	68.9	59.3	56.1	54.7
Minimum Impedance	34.0	41.2	46.3	48.1	49.9	51.8	50.5

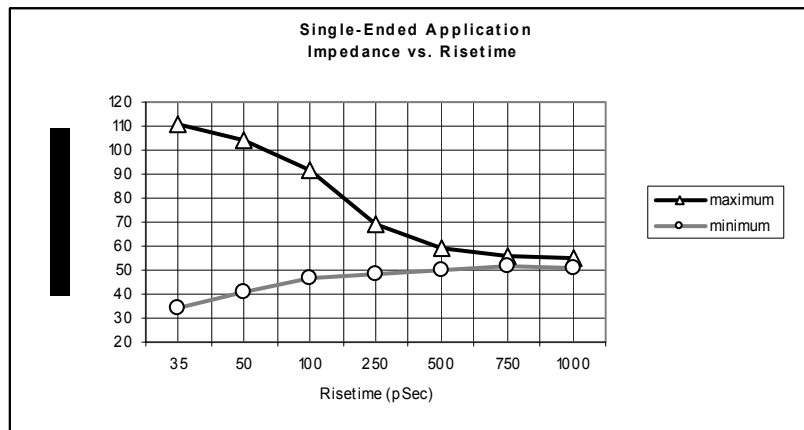
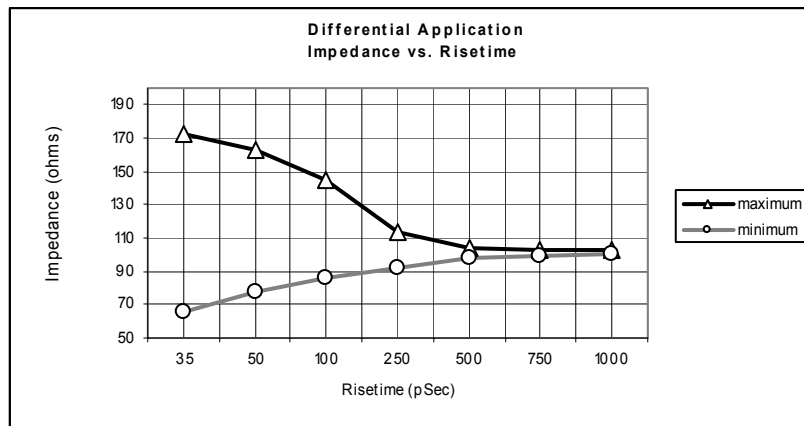


Table 4 - Differential Impedance ( $\Omega$ )							
Signal Risetime	30 $\pm$ 5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
Maximum Impedance	172.4	163.2	144.2	114.0	104.0	102.7	102.7
Minimum Impedance	65.9	77.2	85.9	92.6	98.1	99.3	99.9



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**Table 5 - Single-Ended Crosstalk (%)**

Input (t <sub>r</sub> )		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAQG	13.2	11.9	10.4	8.2	5.1	3.6	2.8
	GAGQG	3.4	2.7	2.0	1.4	< 1.0%	< 1.0%	< 1.0%
	Xrow <sup>se</sup>	10.0	8.5	7.7	5.9	3.6	2.6	2.0
FEXT	GAQG	9.8	8.9	8.0	5.6	3.3	2.4	1.8
	GAGQG	2.2	1.8	1.5	1.1	< 1.0%	< 1.0%	< 1.0%
	Xrow <sup>se</sup>	7.8	6.8	6.5	4.5	2.6	1.8	1.4

**Table 6 - Differential Crosstalk (%)**

Input (t <sub>r</sub> )		30±5ps	50 ps	100 ps	250 ps	500 ps	750 ps	1 ns
NEXT	GAAQQSS	3.6	3.3	3.2	2.4	1.4	1.0	< 1.0%
	GAAGQQG	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	Xrow <sup>diff</sup>	4.7	4.3	4.0	2.2	1.6	1.1	< 1.0%
FEXT	GAAQQSS	2.3	2.1	1.9	1.2	< 1.0%	< 1.0%	< 1.0%
	GAAGQQG	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%	< 1.0%
	Xrow <sup>diff</sup>	3.3	2.9	2.7	1.7	< 1.0%	< 1.0%	< 1.0%

**Table 7 - Propagation Delay (Mated Connector)**

<b>Single-Ended</b>	138ps
<b>Differential</b>	131ps