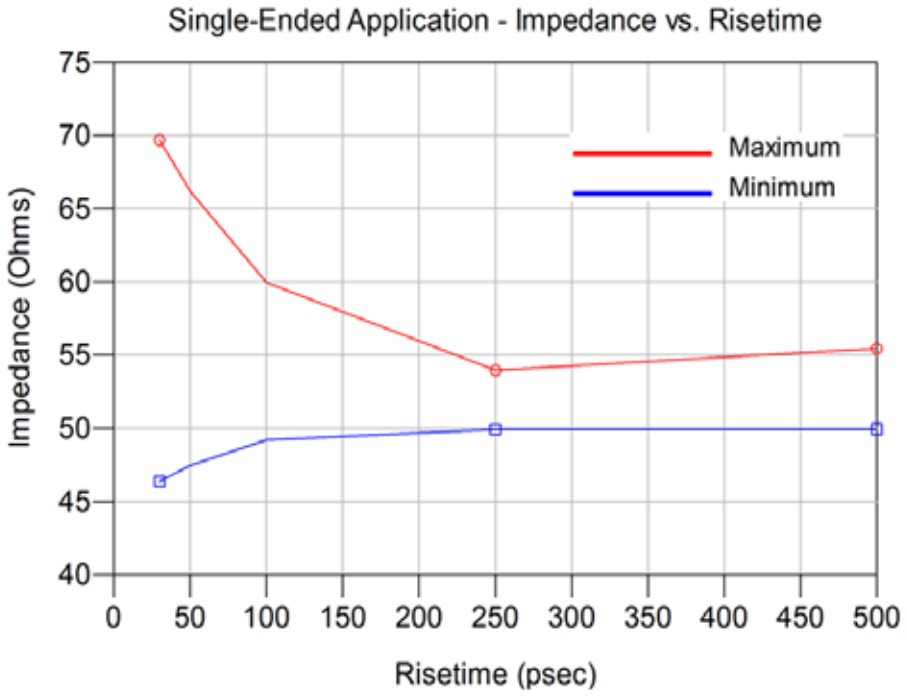
Series: LSEM
Description: Board-to-Board, 0.8mm (.0315”) Pitch, , 12mm (0.472”) Stack Height

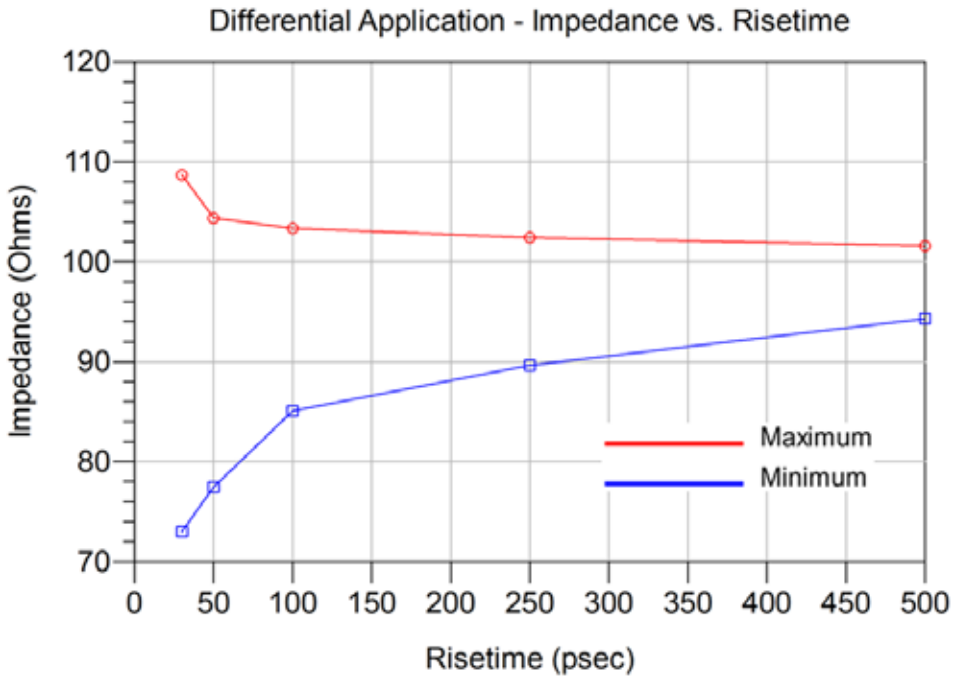
Time Domain Data Summary

Table 3 – Single-End Impedance (Ω)						
Case	**Signal Risetime**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
1	**Maximum Impedance**	69.7	66.2	59.9	54.0	55.4
	Minimum Impedance	46.4	47.5	49.2	49.9	49.9



Series: LSEM
Description: Board-to-Board, 0.8mm (.0315”) Pitch, , 12mm (0.472”) Stack Height

Table 4 - Differential Impedance (Ω)						
Case	**Signal Risetime**	**30 ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
1	**Maximum Impedance**	108.7	104.4	103.4	102.4	101.6
	Minimum Impedance	73.0	77.5	85.1	89.6	94.3



Series: LSEM
Description: Board-to-Board, 0.8mm (.0315”) Pitch, , 12mm (0.472”) Stack Height

Table 5 - Single-Ended Crosstalk (%)							
Case	**Input(tr)**		**30ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
1	NEXT	GAQG	21.1	19.4	17.5	11.0	6.1
		GAGQG	4.2	2.8	2.2	1.4	0.8
		Xrow	4.3	3.2	2.7	1.6	0.9
	FEXT	GAQG	9.9	6.9	5.1	3.1	1.7
		GAGQG	4.9	2.8	1.3	0.6	0.3
		Xrow	2.4	1.6	0.7	0.4	0.2

Table 6 - Differential Crosstalk (%)							
Case	**Input(tr)**		**30ps**	**50 ps**	**100 ps**	**250 ps**	**500 ps**
1	NEXT	GAAQQG	6.3	5.8	5.4	3.6	2.1
		GAAGQQG	0.9	0.6	0.4	0.3	0.2
		Xrow	1.0	0.9	0.8	0.4	0.2
	FEXT	GAAQQG	1.9	1.3	0.8	0.5	0.3
		GAAGQQG	0.9	0.7	0.4	0.1	<0.1
		Xrow	0.3	0.2	0.2	<0.1	<0.1

Table 7 - Propagation Delay (Mated Connector)		
Case 1	**Single-Ended**	105 ps
	Differential	102 ps