

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	[ps]	[ps]	[ps]	[ps]				
	[ps]	[ps]	[ps]	[ps]	[mm]	[mm]	[mm]	[mm]	[n]	[n]	[n]	[n]	[ps]	[ps]	[ps]	[ps]				
<b>L1</b>																				
112	310	565,5	620,6	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-73	-73	-73	-73				
113	544	1009,5	417,5	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-80	-80	-80	-80				
114	791	1453,5	220,9	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-80	-80	-80	-80				
<b>L2</b>																				
211	304	0,0	1181,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	36	36	36	36				
212	410	442,7	843,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	37	37	37	37				
213	599	886,6	587,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	38	38	38	38				
214	824	1330,6	373,5	8325	990,0	990,0	990,0	990,0	5	5	5	5	33	33	33	33				
221	304	61,4	1120,7	8325	990,0	990,0	990,0	990,0	5	5	5	5	35	35	35	35				
222	410	504,1	784,6	8325	990,0	990,0	990,0	990,0	5	5	5	5	34	34	34	34				
223	599	948,1	531,4	8325	990,0	990,0	990,0	990,0	5	5	5	5	32	32	32	32				
224	824	1392,0	315,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	30	30	30	30				
<b>L3</b>																				
311	437	0,0	1265,1	7523	990,0	1020,0	990,0	1020,0	2	1	2	1	-12	34	-12	34				
312	526	452,9	907,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19				
313	686	905,8	617,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-21	-21	-21	-21				
314	886	1358,7	356,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	-13	-13	-13	-13				
321	437	122,9	1146,1	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	30	30	30	30				
322	526	575,8	787,2	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25				
323	686	1028,6	490,4	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	29	29	29	29				
324	886	1481,5	241,8	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25				
331	437	61,4	1211,0	7523	X	X	X	X	0	0	0	0	X	X	X	X				
332	526	514,3	847,4	7523	X	X	X	X	0	0	0	0	X	X	X	X				
333	686	967,2	548,9	7523	X	X	X	X	0	0	0	0	X	X	X	X				
334	886	1420,1	301,6	7523	X	X	X	X	0	0	0	0	X	X	X	X				
<b>L4</b>																				
411	608	0,0	1328,0	7523	1020,0	1050,0	1050,0	1050,0	2	1	1	1	-93	-47	-47	-47				
412	682	419,8	983,7	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95				
413	815	849,1	688,3	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95				
414	990	1278,4	438,3	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-100	-100	-100	-100				
421	608	205,2	1121,8	7523	1020,0	1080,0	1050,0	1080,0	2	0	1	0	-92	0	-46	0				
422	682	634,4	769,3	7523	1020,0	1050,0	1020,0	1050,0	2	1	2	1	-95	-49	-95	-49				
423	815	1063,7	474,1	7523	1020,0	1050,0	1020,0	1050,0	2	1	2	1	-96	-50	-96	-50				
424	990	1505,3	208,6	7523	1020,0	1050,0	1020,0	1050,0	2	1	2	1	-97	-51	-97	-51				
431	608	61,4	1269,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	93	93	93	93				
432	682	481,2	927,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	90	90	90	90				
433	815	910,5	629,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	91	91	91	91				
434	990	1339,8	374,5	7523	990,0	990,0	990,0	990,0	2	2	2	2	92	92	92	92				
441	608	266,6	1059,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92				
442	682	695,9	708,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95				
443	815	1125,2	410,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-94	-94	-94	-94				
444	990	1566,8	150,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-100	-100	-100	-100				

Propagation Delay on the Module Cable  
(measured value) [ps/mm] **6,3000**

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>				
<b>L1</b>																
112	185	565,5	620,6	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	129	129	129	129
113	544	1009,5	417,5	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-80	-80	-80	-80
114	791	1453,5	220,9	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-80	-80	-80	-80
<b>L2</b>																
211	304	0,0	1181,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	36	36	36	36
212	410	442,7	843,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	37	37	37	37
213	599	886,6	587,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	38	38	38	38
214	824	1330,6	373,5	8325	990,0	990,0	990,0	990,0	5	5	5	5	33	33	33	33
221	304	61,4	1120,7	8325	990,0	990,0	990,0	990,0	5	5	5	5	35	35	35	35
222	410	504,1	784,6	8325	990,0	990,0	990,0	990,0	5	5	5	5	34	34	34	34
223	599	948,1	531,4	8325	990,0	990,0	990,0	990,0	5	5	5	5	32	32	32	32
224	824	1392,0	315,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	30	30	30	30
<b>L3</b>																
311	437	0,0	1265,1	7523	990,0	1020,0	990,0	1020,0	2	1	2	1	-12	34	-12	34
312	526	452,9	907,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19
313	686	905,8	617,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-21	-21	-21	-21
314	886	1358,7	356,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	-13	-13	-13	-13
321	437	122,9	1146,1	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	30	30	30	30
322	526	575,8	787,2	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25
323	686	1028,6	490,4	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	29	29	29	29
324	886	1481,5	241,8	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25
331	437	61,4	1211,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19
332	526	514,3	847,4	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20
333	686	967,2	548,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-14	-14	-14	-14
334	886	1420,1	301,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20
<b>L4</b>																
411	608	0,0	1328,0	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-93	-93	-93	-93
412	682	419,8	983,7	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94
413	815	849,1	688,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94
414	990	1278,4	438,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	89	89	89	89
421	608	205,2	1121,8	7523	1050,0	1020,0	1050,0	1020,0	1	2	1	2	-46	-92	-46	-92
422	682	634,4	769,3	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95
423	815	1063,7	474,1	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-96	-96	-96	-96
424	990	1505,3	208,6	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-97	-97	-97	-97
431	608	61,4	1269,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	93	93	93	93
432	682	481,2	927,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	90	90	90	90
433	815	910,5	629,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	91	91	91	91
434	990	1339,8	374,5	7523	990,0	990,0	990,0	990,0	2	2	2	2	92	92	92	92
441	608	266,6	1059,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92
442	682	695,9	708,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95
443	815	1125,2	410,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-94	-94	-94	-94
444	990	1566,8	150,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-100	-100	-100	-100

Propagation Delay on the Module Cable  
(measured value) [ps/mm] **6,3000**

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps)	LCDS delay settings (n*235ps)	LCDS delay settings (n*235ps)	LCDS delay settings (n*235ps)				
	[ps]	[ps]	[ps]	[ps]	[mm]	[mm]	[mm]	[mm]	[n]	[n]	[n]	[n]	[ps]	[ps]	[ps]	[ps]
<b>L1</b>																
112	185	565,5	620,6	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	129	129	129	129
113	310	1009,5	417,5	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	13	13	13	13
114	791	1453,5	220,9	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-80	-80	-80	-80
<b>L2</b>																
211	304	0,0	1181,1	8325	990	990	990	990	5	5	5	5	36	36	36	36
212	410	442,7	843,1	8325	990	990	990	990	5	5	5	5	37	37	37	37
213	599	886,6	587,1	8325	990	990	990	990	5	5	5	5	38	38	38	38
214	824	1330,6	373,5	8325	990	990	990	990	5	5	5	5	33	33	33	33
221	304	61,4	1120,7	8325	X	X	X	X	0	0	0	0	X	X	X	X
222	410	504,1	784,6	8325	X	X	X	X	0	0	0	0	X	X	X	X
223	599	948,1	531,4	8325	X	X	X	X	0	0	0	0	X	X	X	X
224	824	1392,0	315,1	8325	X	X	X	X	0	0	0	0	X	X	X	X
<b>L3</b>																
311	437	0,0	1265,1	7523	1020,0	990,0	1020,0	990,0	1	2	1	2	34	-12	34	-12
312	526	452,9	907,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19
313	686	905,8	617,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-21	-21	-21	-21
314	886	1358,7	356,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	-13	-13	-13	-13
321	437	122,9	1146,1	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	30	30	30	30
322	526	575,8	787,2	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25
323	686	1028,6	490,4	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	29	29	29	29
324	886	1481,5	241,8	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25
331	437	61,4	1211,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19
332	526	514,3	847,4	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20
333	686	967,2	548,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-14	-14	-14	-14
334	886	1420,1	301,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20
<b>L4</b>																
411	608	0,0	1328,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	96	96	96	96
412	682	419,8	983,7	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94
413	815	849,1	688,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94
414	990	1278,4	438,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	89	89	89	89
421	608	205,2	1121,8	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92
422	682	634,4	769,3	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95
423	815	1063,7	474,1	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-96	-96	-96	-96
424	990	1505,3	208,6	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-97	-97	-97	-97
431	608	61,4	1269,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	93	93	93	93
432	682	481,2	927,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	90	90	90	90
433	815	910,5	629,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	91	91	91	91
434	990	1339,8	374,5	7523	990,0	990,0	990,0	990,0	2	2	2	2	92	92	92	92
441	608	266,6	1059,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92
442	682	695,9	708,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95
443	815	1125,2	410,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-94	-94	-94	-94
444	990	1566,8	150,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-100	-100	-100	-100

Propagation Delay on the Module Cable  
(measured value) [ps/mm] **6,3000**

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
	[ps]	[ps]	[ps]	[ps]	[mm]	[mm]	[mm]	[mm]	[n]	[n]	[n]	[n]	[ps]	[ps]	[ps]	[ps]
<b>L1</b>																
112	185	565,5	620,6	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	129	129	129	129
113	310	1009,5	417,5	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	13	13	13	13
114	544	1453,5	220,9	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	0	0	0	0
<b>L2</b>																
211	304	0,0	1181,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	36	36	36	36
212	410	442,7	843,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	37	37	37	37
213	599	886,6	587,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	38	38	38	38
214	824	1330,6	373,5	8325	990,0	990,0	990,0	990,0	5	5	5	5	33	33	33	33
221	304	61,4	1120,7	8325	990,0	990,0	990,0	990,0	5	5	5	5	35	35	35	35
222	410	504,1	784,6	8325	990,0	990,0	990,0	990,0	5	5	5	5	34	34	34	34
223	599	948,1	531,4	8325	990,0	990,0	990,0	990,0	5	5	5	5	32	32	32	32
224	824	1392,0	315,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	30	30	30	30
<b>L3</b>																
311	437	0,0	1265,1	7523	990,0	990,0	990,0	990,0	2	2	2	2	-12	-12	-12	-12
312	526	452,9	907,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19
313	686	905,8	617,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-21	-21	-21	-21
314	886	1358,7	356,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	-13	-13	-13	-13
321	437	122,9	1146,1	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	30	30	30	30
322	526	575,8	787,2	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25
323	686	1028,6	490,4	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	29	29	29	29
324	886	1481,5	241,8	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25
331	437	61,4	1211,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19
332	526	514,3	847,4	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20
333	686	967,2	548,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-14	-14	-14	-14
334	886	1420,1	301,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20
<b>L4</b>																
411	608	0,0	1328,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	96	96	96	96
412	682	419,8	983,7	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94
413	815	849,1	688,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94
414	990	1278,4	438,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	89	89	89	89
421	608	205,2	1121,8	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92
422	682	634,4	769,3	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95
423	815	1063,7	474,1	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-96	-96	-96	-96
424	990	1505,3	208,6	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-97	-97	-97	-97
431	608	61,4	1269,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	93	93	93	93
432	682	481,2	927,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	90	90	90	90
433	815	910,5	629,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	91	91	91	91
434	990	1339,8	374,5	7523	990,0	990,0	990,0	990,0	2	2	2	2	92	92	92	92
441	608	266,6	1059,9	7523	1050,0	1050,0	1050,0	1050,0	1	1	1	1	-46	-46	-46	-46
442	682	695,9	708,5	7523	1050,0	1020,0	1050,0	1020,0	1	2	1	2	-49	-95	-49	-95
443	815	1125,2	410,9	7523	1050,0	1020,0	1050,0	1020,0	1	2	1	2	-48	-94	-48	-94
444	990	1566,8	150,5	7523	1050,0	1020,0	1050,0	1020,0	1	2	1	2	-54	-100	-54	-100

Propagation Delay on the Module Cable  
(measured value) [ps/mm] **6,3000**

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	[ps]	[ps]	[ps]	[ps]				
	[ps]	[ps]	[ps]	[ps]	[mm]	[mm]	[mm]	[mm]	[n]	[n]	[n]	[n]	[ps]	[ps]	[ps]	[ps]				
<b>L1</b>																				
112	310	565,5	620,6	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-73	-73	-73	-73				
113	544	1009,5	417,5	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-80	-80	-80	-80				
114	791	1453,5	220,9	8325	1082,0	1082,0	1082,0	1082,0	3	3	3	3	-80	-80	-80	-80				
<b>L2</b>																				
211	304	0,0	1181,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	36	36	36	36				
212	410	442,7	843,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	37	37	37	37				
213	599	886,6	587,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	38	38	38	38				
214	824	1330,6	373,5	8325	990,0	990,0	990,0	990,0	5	5	5	5	33	33	33	33				
221	304	61,4	1120,7	8325	990,0	990,0	990,0	990,0	5	5	5	5	35	35	35	35				
222	410	504,1	784,6	8325	990,0	990,0	990,0	990,0	5	5	5	5	34	34	34	34				
223	599	948,1	531,4	8325	990,0	990,0	990,0	990,0	5	5	5	5	32	32	32	32				
224	824	1392,0	315,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	30	30	30	30				
<b>L3</b>																				
311	437	0,0	1265,1	7523	990,0	990,0	990,0	990,0	2	2	2	2	-12	-12	-12	-12				
312	526	452,9	907,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19				
313	686	905,8	617,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-21	-21	-21	-21				
314	886	1358,7	356,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	-13	-13	-13	-13				
321	437	122,9	1146,1	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	30	30	30	30				
322	526	575,8	787,2	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25				
323	686	1028,6	490,4	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	29	29	29	29				
324	886	1481,5	241,8	7523	1020,0	1020,0	1020,0	1020,0	1	1	1	1	25	25	25	25				
331	437	61,4	1211,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19				
332	526	514,3	847,4	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20				
333	686	967,2	548,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-14	-14	-14	-14				
334	886	1420,1	301,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	-20	-20	-20	-20				
<b>L4</b>																				
411	608	0,0	1328,0	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-93	-93	-93	-93				
412	682	419,8	983,7	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94				
413	815	849,1	688,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94				
414	990	1278,4	438,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	89	89	89	89				
421	608	205,2	1121,8	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92				
422	682	634,4	769,3	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95				
423	815	1063,7	474,1	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-96	-96	-96	-96				
424	990	1505,3	208,6	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-97	-97	-97	-97				
431	608	61,4	1269,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	93	93	93	93				
432	682	481,2	927,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	90	90	90	90				
433	815	910,5	629,6	7523	990,0	990,0	990,0	990,0	2	2	2	2	91	91	91	91				
434	990	1339,8	374,5	7523	990,0	990,0	990,0	990,0	2	2	2	2	92	92	92	92				
441	608	266,6	1059,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92				
442	682	695,9	708,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95				
443	815	1125,2	410,9	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-94	-94	-94	-94				
444	990	1566,8	150,5	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-100	-100	-100	-100				

Propagation Delay on the Module Cable  
(measured value) [ps/mm] **6,3000**

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps)	LCDS delay settings (n*235ps)	LCDS delay settings (n*235ps)	LCDS delay settings (n*235ps)	[ps]	[ps]	[ps]	[ps]				
	[ps]	[ps]	[ps]	[ps]	[mm]	[mm]	[mm]	[mm]	[n]	[n]	[n]	[n]	[ps]	[ps]	[ps]	[ps]				
<b>L1</b>																				
<b>112</b>	185	565,5	<b>620,6</b>	<b>8325</b>	1142,0	1142,0	1142,0	1142,0	0	0	0	0	<b>129</b>	<b>129</b>	<b>129</b>	<b>129</b>				
<b>113</b>	544	1009,5	<b>417,5</b>	<b>8325</b>	1082,0	1082,0	1082,0	1082,0	3	3	3	3	<b>-80</b>	<b>-80</b>	<b>-80</b>	<b>-80</b>				
<b>114</b>	791	1453,5	<b>220,9</b>	<b>8325</b>	1082,0	1082,0	1082,0	1082,0	3	3	3	3	<b>-80</b>	<b>-80</b>	<b>-80</b>	<b>-80</b>				
<b>L2</b>																				
<b>211</b>	304	0,0	<b>1181,1</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>				
<b>212</b>	410	442,7	<b>843,1</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>				
<b>213</b>	599	886,6	<b>587,1</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>				
<b>214</b>	824	1330,6	<b>373,5</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>				
<b>221</b>	304	61,4	<b>1120,7</b>	<b>8325</b>	X	X	X	X	0	0	0	0	X	X	X	X				
<b>222</b>	410	504,1	<b>784,6</b>	<b>8325</b>	X	X	X	X	0	0	0	0	X	X	X	X				
<b>223</b>	599	948,1	<b>531,4</b>	<b>8325</b>	X	X	X	X	0	0	0	0	X	X	X	X				
<b>224</b>	824	1392,0	<b>315,1</b>	<b>8325</b>	X	X	X	X	0	0	0	0	X	X	X	X				
<b>L3</b>																				
<b>311</b>	437	0,0	<b>1265,1</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-12</b>	<b>-12</b>	<b>-12</b>	<b>-12</b>				
<b>312</b>	526	452,9	<b>907,9</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-19</b>	<b>-19</b>	<b>-19</b>	<b>-19</b>				
<b>313</b>	686	905,8	<b>617,0</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-21</b>	<b>-21</b>	<b>-21</b>	<b>-21</b>				
<b>314</b>	886	1358,7	<b>356,8</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-13</b>	<b>-13</b>	<b>-13</b>	<b>-13</b>				
<b>321</b>	437	122,9	<b>1146,1</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>				
<b>322</b>	526	575,8	<b>787,2</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>				
<b>323</b>	686	1028,6	<b>490,4</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>				
<b>324</b>	886	1481,5	<b>241,8</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>				
<b>331</b>	437	61,4	<b>1211,0</b>	<b>7523</b>	990,0	1020,0	990,0	1020,0	2	1	2	1	<b>-19</b>	<b>27</b>	<b>-19</b>	<b>27</b>				
<b>332</b>	526	514,3	<b>847,4</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-20</b>	<b>-20</b>	<b>-20</b>	<b>-20</b>				
<b>333</b>	686	967,2	<b>548,9</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-14</b>	<b>-14</b>	<b>-14</b>	<b>-14</b>				
<b>334</b>	886	1420,1	<b>301,6</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-20</b>	<b>-20</b>	<b>-20</b>	<b>-20</b>				
<b>L4</b>																				
<b>411</b>	608	0,0	<b>1328,0</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>96</b>	<b>96</b>	<b>96</b>	<b>96</b>				
<b>412</b>	682	419,8	<b>983,7</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>94</b>	<b>94</b>	<b>94</b>	<b>94</b>				
<b>413</b>	815	849,1	<b>688,3</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>94</b>	<b>94</b>	<b>94</b>	<b>94</b>				
<b>414</b>	990	1278,4	<b>438,3</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>89</b>	<b>89</b>	<b>89</b>	<b>89</b>				
<b>421</b>	608	205,2	<b>1121,8</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-92</b>	<b>-92</b>	<b>-92</b>	<b>-92</b>				
<b>422</b>	682	634,4	<b>769,3</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-95</b>	<b>-95</b>	<b>-95</b>	<b>-95</b>				
<b>423</b>	815	1063,7	<b>474,1</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-96</b>	<b>-96</b>	<b>-96</b>	<b>-96</b>				
<b>424</b>	990	1505,3	<b>208,6</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-97</b>	<b>-97</b>	<b>-97</b>	<b>-97</b>				
<b>431</b>	608	61,4	<b>1269,8</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>				
<b>432</b>	682	481,2	<b>927,0</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>				
<b>433</b>	815	910,5	<b>629,6</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>91</b>	<b>91</b>	<b>91</b>	<b>91</b>				
<b>434</b>	990	1339,8	<b>374,5</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>				
<b>441</b>	608	266,6	<b>1059,9</b>	<b>7523</b>	1050,0	1020,0	1050,0	1020,0	1	2	1	2	<b>-46</b>	<b>-92</b>	<b>-46</b>	<b>-92</b>				
<b>442</b>	682	695,9	<b>708,5</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-95</b>	<b>-95</b>	<b>-95</b>	<b>-95</b>				
<b>443</b>	815	1125,2	<b>410,9</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-94</b>	<b>-94</b>	<b>-94</b>	<b>-94</b>				
<b>444</b>	990	1566,8	<b>150,5</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-100</b>	<b>-100</b>	<b>-100</b>	<b>-100</b>				

Propagation Delay on the Module Cable (measured value) [ps/mm] **6,3000**

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	[ps]	[ps]	[ps]	[ps]				
	[ps]	[ps]	[ps]	[ps]	[mm]	[mm]	[mm]	[mm]	[n]	[n]	[n]	[n]	[ps]	[ps]	[ps]	[ps]				
<b>L1</b>																				
<b>112</b>	185	565,5	<b>620,6</b>	<b>8325</b>	1142,0	1142,0	1142,0	1142,0	0	0	0	0	<b>129</b>	<b>129</b>	<b>129</b>	<b>129</b>				
<b>113</b>	310	1009,5	<b>417,5</b>	<b>8325</b>	1142,0	1142,0	1142,0	1142,0	0	0	0	0	<b>13</b>	<b>13</b>	<b>13</b>	<b>13</b>				
<b>114</b>	791	1453,5	<b>220,9</b>	<b>8325</b>	1082,0	1082,0	1082,0	1082,0	3	3	3	3	<b>-80</b>	<b>-80</b>	<b>-80</b>	<b>-80</b>				
<b>L2</b>																				
<b>211</b>	304	0,0	<b>1181,1</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>				
<b>212</b>	410	442,7	<b>843,1</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>37</b>	<b>37</b>	<b>37</b>	<b>37</b>				
<b>213</b>	599	886,6	<b>587,1</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>38</b>	<b>38</b>	<b>38</b>	<b>38</b>				
<b>214</b>	824	1330,6	<b>373,5</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>33</b>	<b>33</b>	<b>33</b>	<b>33</b>				
<b>221</b>	304	61,4	<b>1120,7</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>35</b>	<b>35</b>	<b>35</b>	<b>35</b>				
<b>222</b>	410	504,1	<b>784,6</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>34</b>	<b>34</b>	<b>34</b>	<b>34</b>				
<b>223</b>	599	948,1	<b>531,4</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>32</b>	<b>32</b>	<b>32</b>	<b>32</b>				
<b>224</b>	824	1392,0	<b>315,1</b>	<b>8325</b>	990,0	990,0	990,0	990,0	5	5	5	5	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>				
<b>L3</b>																				
<b>311</b>	437	0,0	<b>1265,1</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-12</b>	<b>-12</b>	<b>-12</b>	<b>-12</b>				
<b>312</b>	526	452,9	<b>907,9</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-19</b>	<b>-19</b>	<b>-19</b>	<b>-19</b>				
<b>313</b>	686	905,8	<b>617,0</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-21</b>	<b>-21</b>	<b>-21</b>	<b>-21</b>				
<b>314</b>	886	1358,7	<b>356,8</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-13</b>	<b>-13</b>	<b>-13</b>	<b>-13</b>				
<b>321</b>	437	122,9	<b>1146,1</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>30</b>	<b>30</b>	<b>30</b>	<b>30</b>				
<b>322</b>	526	575,8	<b>787,2</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>				
<b>323</b>	686	1028,6	<b>490,4</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>29</b>	<b>29</b>	<b>29</b>	<b>29</b>				
<b>324</b>	886	1481,5	<b>241,8</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	1	1	1	1	<b>25</b>	<b>25</b>	<b>25</b>	<b>25</b>				
<b>331</b>	437	61,4	<b>1211,0</b>	<b>7523</b>	1020,0	990,0	1020,0	990,0	1	2	1	2	<b>27</b>	<b>-19</b>	<b>27</b>	<b>-19</b>				
<b>332</b>	526	514,3	<b>847,4</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-20</b>	<b>-20</b>	<b>-20</b>	<b>-20</b>				
<b>333</b>	686	967,2	<b>548,9</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-14</b>	<b>-14</b>	<b>-14</b>	<b>-14</b>				
<b>334</b>	886	1420,1	<b>301,6</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>-20</b>	<b>-20</b>	<b>-20</b>	<b>-20</b>				
<b>L4</b>																				
<b>411</b>	608	0,0	<b>1328,0</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>96</b>	<b>96</b>	<b>96</b>	<b>96</b>				
<b>412</b>	682	419,8	<b>983,7</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>94</b>	<b>94</b>	<b>94</b>	<b>94</b>				
<b>413</b>	815	849,1	<b>688,3</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>94</b>	<b>94</b>	<b>94</b>	<b>94</b>				
<b>414</b>	990	1278,4	<b>438,3</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>89</b>	<b>89</b>	<b>89</b>	<b>89</b>				
<b>421</b>	608	205,2	<b>1121,8</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-92</b>	<b>-92</b>	<b>-92</b>	<b>-92</b>				
<b>422</b>	682	634,4	<b>769,3</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-95</b>	<b>-95</b>	<b>-95</b>	<b>-95</b>				
<b>423</b>	815	1063,7	<b>474,1</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-96</b>	<b>-96</b>	<b>-96</b>	<b>-96</b>				
<b>424</b>	990	1505,3	<b>208,6</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-97</b>	<b>-97</b>	<b>-97</b>	<b>-97</b>				
<b>431</b>	608	61,4	<b>1269,8</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>93</b>	<b>93</b>	<b>93</b>	<b>93</b>				
<b>432</b>	682	481,2	<b>927,0</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>90</b>	<b>90</b>	<b>90</b>	<b>90</b>				
<b>433</b>	815	910,5	<b>629,6</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>91</b>	<b>91</b>	<b>91</b>	<b>91</b>				
<b>434</b>	990	1339,8	<b>374,5</b>	<b>7523</b>	990,0	990,0	990,0	990,0	2	2	2	2	<b>92</b>	<b>92</b>	<b>92</b>	<b>92</b>				
<b>441</b>	608	266,6	<b>1059,9</b>	<b>7523</b>	1050,0	1050,0	1050,0	1050,0	1	1	1	1	<b>-46</b>	<b>-46</b>	<b>-46</b>	<b>-46</b>				
<b>442</b>	682	695,9	<b>708,5</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-95</b>	<b>-95</b>	<b>-95</b>	<b>-95</b>				
<b>443</b>	815	1125,2	<b>410,9</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-94</b>	<b>-94</b>	<b>-94</b>	<b>-94</b>				
<b>444</b>	990	1566,8	<b>150,5</b>	<b>7523</b>	1020,0	1020,0	1020,0	1020,0	2	2	2	2	<b>-100</b>	<b>-100</b>	<b>-100</b>	<b>-100</b>				

Propagation Delay on the Module Cable  
(measured value) [ps/mm] **6,3000**

Module Number	TOF average value <small>from collision point to the center of the Module</small>	LCDS chips time difference <small>from the first LCDS chip on the chain</small>	Meandering time <small>meandering on all layer</small>	Time from first LCDS to collision point with meandering <small>Target value</small>	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Bpl	BpO	Bml	BmO	Time difference from target value	Time difference from target value	Time difference from target value	Time difference from target value
					Module Cable length	Module Cable length	Module Cable length	Module Cable length	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	LCDS delay settings (n*235ps) <small>A[3..0]</small>	[ps]	[ps]	[ps]	[ps]				
	[ps]	[ps]	[ps]	[ps]	[mm]	[mm]	[mm]	[mm]	[n]	[n]	[n]	[n]	[ps]	[ps]	[ps]	[ps]				
<b>L1</b>																				
112	185	565,5	620,6	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	129	129	129	129				
113	310	1009,5	417,5	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	13	13	13	13				
114	544	1453,5	220,9	8325	1142,0	1142,0	1142,0	1142,0	0	0	0	0	0	0	0	0				
<b>L2</b>																				
211	304	0,0	1181,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	36	36	36	36				
212	410	442,7	843,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	37	37	37	37				
213	599	886,6	587,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	38	38	38	38				
214	824	1330,6	373,5	8325	990,0	990,0	990,0	990,0	5	5	5	5	33	33	33	33				
221	304	61,4	1120,7	8325	990,0	990,0	990,0	990,0	5	5	5	5	35	35	35	35				
222	410	504,1	784,6	8325	990,0	990,0	990,0	990,0	5	5	5	5	34	34	34	34				
223	599	948,1	531,4	8325	990,0	990,0	990,0	990,0	5	5	5	5	32	32	32	32				
224	824	1392,0	315,1	8325	990,0	990,0	990,0	990,0	5	5	5	5	30	30	30	30				
<b>L3</b>																				
311	437	0,0	1265,1	7523	990,0	990,0	990,0	990,0	2	2	2	2	-12	-12	-12	-12				
312	526	452,9	907,9	7523	990,0	990,0	990,0	990,0	2	2	2	2	-19	-19	-19	-19				
313	686	905,8	617,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	-21	-21	-21	-21				
314	886	1358,7	356,8	7523	990,0	990,0	990,0	990,0	2	2	2	2	-13	-13	-13	-13				
321	437	122,9	1146,1	7523	1050,0	1020,0	1050,0	1020,0	0	1	0	1	76	30	76	30				
322	526	575,8	787,2	7523	1050,0	1020,0	1050,0	1020,0	0	1	0	1	71	25	71	25				
323	686	1028,6	490,4	7523	1050,0	1020,0	1050,0	1020,0	0	1	0	1	75	29	75	29				
324	886	1481,5	241,8	7523	1050,0	1020,0	1050,0	1020,0	0	1	0	1	71	25	71	25				
331	437	61,4	1211,0	7523	X	X	X	X	0	0	0	0	X	X	X	X				
332	526	514,3	847,4	7523	X	X	X	X	0	0	0	0	X	X	X	X				
333	686	967,2	548,9	7523	X	X	X	X	0	0	0	0	X	X	X	X				
334	886	1420,1	301,6	7523	X	X	X	X	0	0	0	0	X	X	X	X				
<b>L4</b>																				
411	608	0,0	1328,0	7523	990,0	990,0	990,0	990,0	2	2	2	2	96	96	96	96				
412	682	419,8	983,7	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94				
413	815	849,1	688,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	94	94	94	94				
414	990	1278,4	438,3	7523	990,0	990,0	990,0	990,0	2	2	2	2	89	89	89	89				
421	608	205,2	1121,8	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-92	-92	-92	-92				
422	682	634,4	769,3	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-95	-95	-95	-95				
423	815	1063,7	474,1	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-96	-96	-96	-96				
424	990	1505,3	208,6	7523	1020,0	1020,0	1020,0	1020,0	2	2	2	2	-97	-97	-97	-97				
431	608	61,4	1269,8	7523	1050,0	1020,0	1050,0	1020,0	1	2	1	2	-50	-96	-50	-96				
432	682	481,2	927,0	7523	1020,0	990,0	1020,0	990,0	2	2	2	2	-99	90	-99	90				
433	815	910,5	629,6	7523	1020,0	990,0	1020,0	990,0	2	2	2	2	-98	91	-98	91				
434	990	1339,8	374,5	7523	1020,0	990,0	1020,0	990,0	2	2	2	2	-97	92	-97	92				
441	608	266,6	1059,9	7523	1080,0	1080,0	1080,0	1080,0	0	0	0	0	0	0	0	0				
442	682	695,9	708,5	7523	1050,0	1050,0	1050,0	1050,0	1	1	1	1	-49	-49	-49	-49				
443	815	1125,2	410,9	7523	1050,0	1050,0	1050,0	1050,0	1	1	1	1	-48	-48	-48	-48				
444	990	1566,8	150,5	7523	1050,0	1050,0	1050,0	1050,0	1	1	1	1	-54	-54	-54	-54				

Propagation Delay on the Module Cable  
(measured value) [ps/mm] **6,3000**