

**Series:** MTCA-SMT

**Description:** Micro TCA Connector, 0.75mm Pitch, Surface-Mount

## Time Domain Data Summary

Table 3 - Single-Ended Impedance ( $\Omega$ )					
Signal Rise-time	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	88.2	77.6	66.2	57.2	53.7
Minimum Impedance	46.3	48.1	49.4	49.7	50

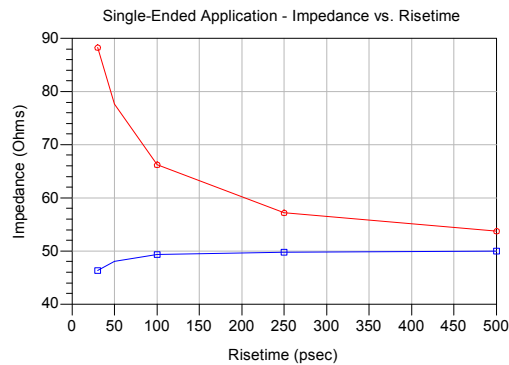


Table 4 - Differential Impedance ( $\Omega$ )					
Signal Rise-time	30ps	50ps	100ps	250ps	500ps
Maximum Impedance	125.8	110.0	104.5	103.7	102.4
Minimum Impedance	73.5	80	90.3	95.8	98.2

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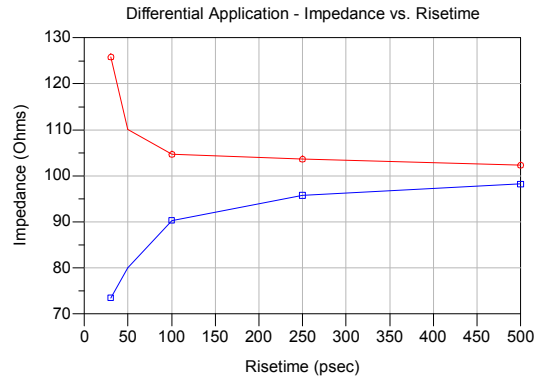


Table 5 - Single-Ended Crosstalk (%)						
Input( $t_r$ )		30ps	50ps	100ps	250ps	500ps
NEXT	GAQG	22.3	19.6	17	10.1	5.6
	GAGQG	2.8	2.7	2.2	1.3	0.7
	Xrow	1.8	1.4	0.9	0.4	0.2
FEXT	GAQG	8.4	7.7	6.1	3.6	2.0
	GAGQG	2.3	1.8	1.2	0.6	0.4
	Xrow	0.7	0.4	0.2	<0.1	<0.1

Table 6 - Differential Crosstalk (%)						
Input( $t_r$ )		30ps	50ps	100ps	250ps	500ps
NEXT	GAAQQG	6.0	5.4	4.8	2.9	1.6
	GAAGQQG	0.5	0.5	0.4	0.2	0.1
	Xrow	0.4	0.3	0.2	<0.1	<0.1
FEXT	GAAQQG	1.0	0.6	0.4	0.2	0.1
	GAAGQQG	0.3	0.2	0.1	<0.1	<0.1
	Xrow	0.2	0.1	<0.1	<0.1	<0.1

Table 7 - Propagation Delay (Mated Connector)	
Single-Ended	84ps
Differential	78ps