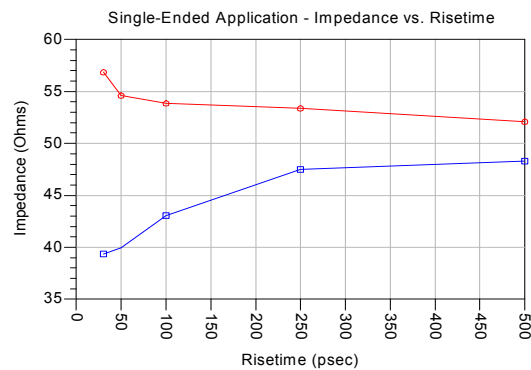


**Series:** TEM/SEM Series

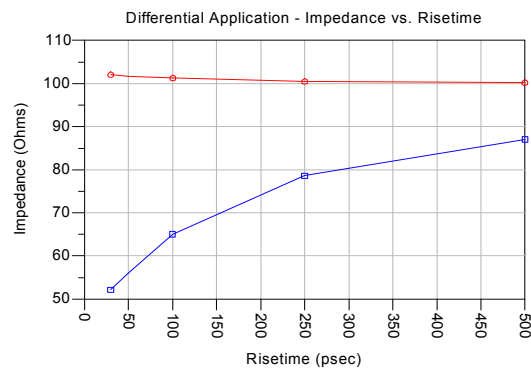
**Description:** Micro Tiger Eye™ Board-to-Board 0.8mm Pitch, 10 mm (0.394") stack height

## Time Domain Data Summary

| Table 3 - Single-Ended Impedance ( $\Omega$ ) |       |       |        |        |        |
|---|-------|-------|--------|--------|--------|
| Signal Risetime                               | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance                             | 56.9  | 54.6  | 53.9   | 53.4   | 52.1   |
| Minimum Impedance                             | 39.4  | 39.9  | 43.1   | 47.5   | 48.3   |



| Table 4 - Differential Impedance ( $\Omega$ ) |       |       |        |        |        |
|---|-------|-------|--------|--------|--------|
| Signal Risetime                               | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance                             | 102.1 | 101.7 | 101.2  | 100.5  | 100.2  |
| Minimum Impedance                             | 52.1  | 55.9  | 65.0   | 78.6   | 87.0   |



**Series:** TEM/SEM Series

**Description:** Micro Tiger Eye™ Board-to-Board 0.8mm Pitch, 10 mm (0.394") stack height

| <b>Table 5 - Single-Ended Crosstalk (%)</b> |       |             |              |               |               |               |
|---|-------|-------------|--------------|---------------|---------------|---------------|
| <b>Input(tr)</b>                            |       | <b>30ps</b> | <b>50 ps</b> | <b>100 ps</b> | <b>250 ps</b> | <b>500 ps</b> |
| <b>NEXT</b>                                 | GAQG  | 19.6        | 18.1         | 16.4          | 9.5           | 5.2           |
|   | GAGQG | 3.3         | 2.3          | 2.0           | 1.2           | 0.7           |
|   | Xrow  | 3.4         | 3.0          | 2.6           | 1.4           | 0.7           |
| <b>FEXT</b>                                 | GAQG  | 9.0         | 6.1          | 3.0           | 1.1           | 0.7           |
|   | GAGQG | 5.2         | 3.6          | 1.6           | 0.5           | 0.3           |
|   | Xrow  | 1.3         | 0.7          | 0.3           | 0.1           | < 0.1         |

| <b>Table 6 - Differential Crosstalk (%)</b> |         |             |              |               |               |               |
|---|---------|-------------|--------------|---------------|---------------|---------------|
| <b>Input(tr)</b>                            |         | <b>30ps</b> | <b>50 ps</b> | <b>100 ps</b> | <b>250 ps</b> | <b>500 ps</b> |
| <b>NEXT</b>                                 | GAAQQG  | 6.4         | 6.0          | 5.1           | 2.9           | 1.6           |
|   | GAAGQQG | 0.7         | 0.5          | 0.4           | 0.2           | 0.1           |
|   | Xrow    | 1.1         | 1.0          | 0.8           | 0.5           | 0.3           |
| <b>FEXT</b>                                 | GAAQQG  | 1.7         | 1.5          | 1.2           | 0.6           | 0.3           |
|   | GAAGQQG | 1.1         | 0.8          | 0.3           | 0.1           | < 0.1         |
|   | Xrow    | 0.7         | 0.5          | 0.4           | 0.2           | 0.1           |

| <b>Table 7 - Propagation Delay (Mated Connector)</b> |       |
|--|-------|
| <b>Single-Ended</b>                                  | 94 ps |
| <b>Differential</b>                                  | 95 ps |