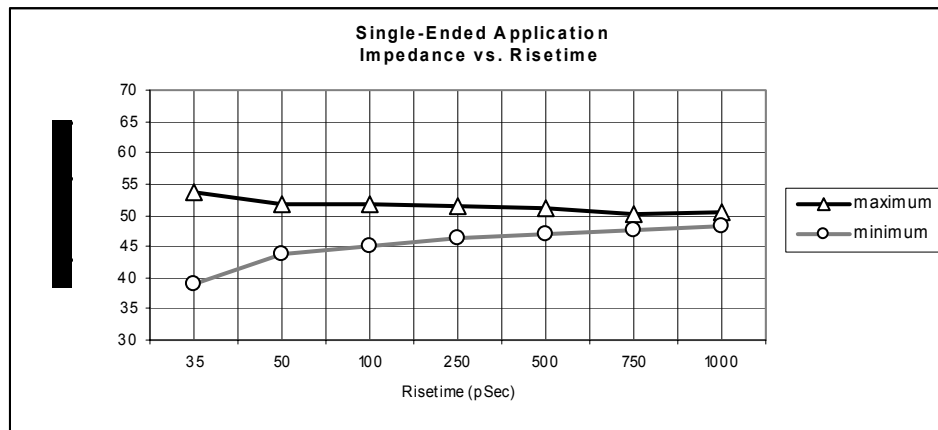


**Series:** RU8-SE and RU8-DP Riser Card Kits

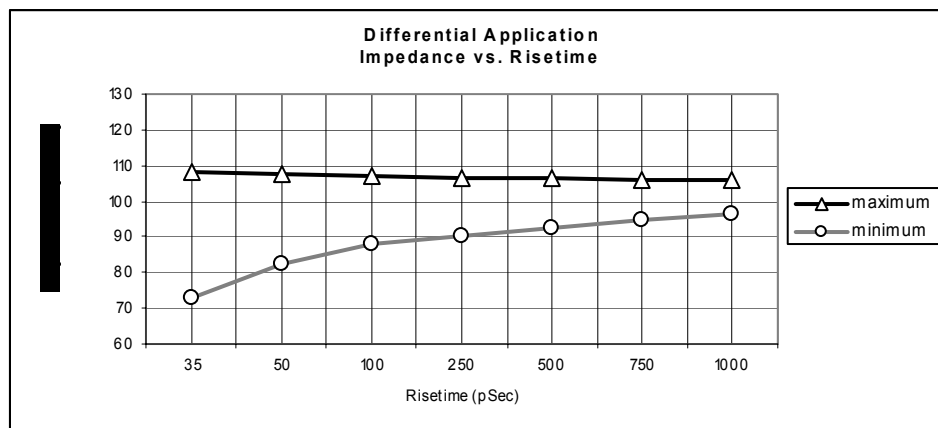
**Description:** Parallel Board-to-Board, 0.8mm Pitch, 25mm (0.9843") Stack Height

## Time Domain Data Summary

| Table 3 - Single-Ended Impedance ( $\Omega$ ) |        |       |        |        |        |        |      |
|-----------------------------------------------|--------|-------|--------|--------|--------|--------|------|
| Signal Risetime                               | 30±5ps | 50 ps | 100 ps | 250 ps | 500 ps | 750 ps | 1 ns |
| Maximum Impedance                             | 53.6   | 51.9  | 51.8   | 51.5   | 51.2   | 50.1   | 50.4 |
| Minimum Impedance                             | 39.1   | 43.6  | 45.2   | 46.2   | 46.9   | 47.7   | 48.3 |



| Table 4 - Differential Impedance ( $\Omega$ ) |        |       |        |        |        |        |       |
|-----------------------------------------------|--------|-------|--------|--------|--------|--------|-------|
| Signal Risetime                               | 30±5ps | 50 ps | 100 ps | 250 ps | 500 ps | 750 ps | 1 ns  |
| Maximum Impedance                             | 108.1  | 107.5 | 107.2  | 106.7  | 106.3  | 106.1  | 106.0 |
| Minimum Impedance                             | 73.1   | 82.6  | 87.9   | 90.0   | 92.3   | 95.0   | 96.6  |



**Series:** RU8-SE and RU8-DP Riser Card Kits

**Description:** Parallel Board-to-Board, 0.8mm Pitch, 25mm (0.9843") Stack Height

**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                    | GAGQG              | 3.7    | 2.6   | 1.8    | 1.0    | < 1.0  | < 1.0  | < 1.0 |
|                         | Xrow <sup>se</sup> | 1.0    | < 1.0 | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0 |
| FEXT                    | GAGQG              | 4.9    | 3.8   | 2.3    | 1.0    | < 1.0  | < 1.0  | < 1.0 |
|                         | Xrow <sup>se</sup> | 1.1    | < 1.0 | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0 |

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

| Input (t <sub>r</sub> ) |                      | 30±5ps | 50 ps | 100 ps | 250 ps | 500 ps | 750 ps | 1 ns  |
|-------------------------|----------------------|--------|-------|--------|--------|--------|--------|-------|
| NEXT                    | GAAGQQG              | < 1.0  | < 1.0 | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0 |
|                         | Xrow <sup>diff</sup> | < 1.0  | < 1.0 | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0 |
| FEXT                    | GAAGQQG              | < 1.0  | < 1.0 | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0 |
|                         | Xrow <sup>diff</sup> | < 1.0  | < 1.0 | < 1.0  | < 1.0  | < 1.0  | < 1.0  | < 1.0 |

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

|                     |          |
|---------------------|----------|
| <b>Single-Ended</b> | 178.0 ps |
| <b>Differential</b> | 173.0 ps |