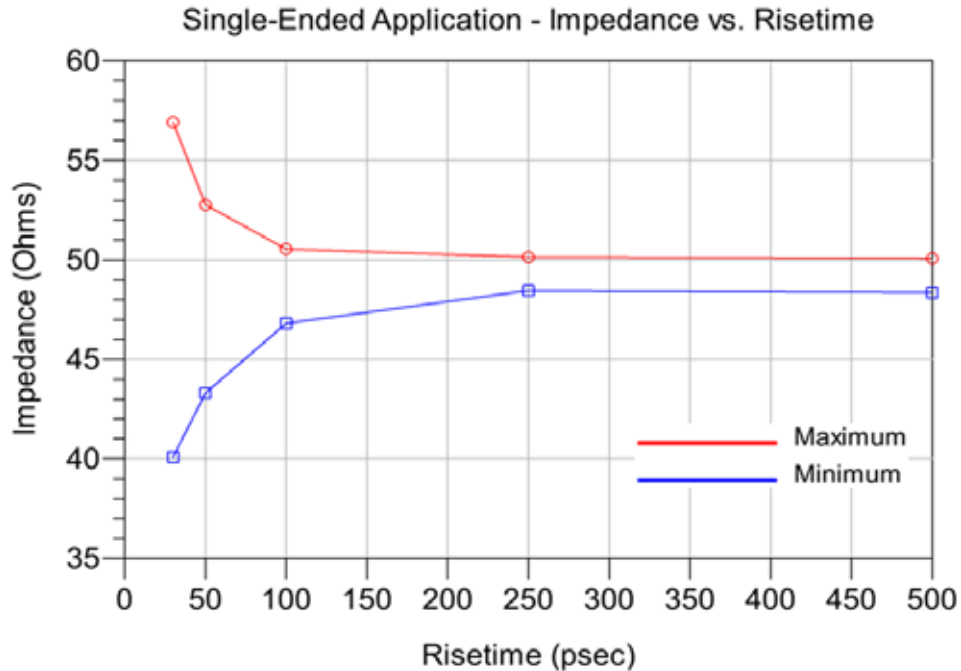


Series: QTH/QSH

Description: High Speed Ground Plane Header, 0.5mm (.0197") Pitch, 5mm (.1969") Stack Height

Time Domain Data Summary

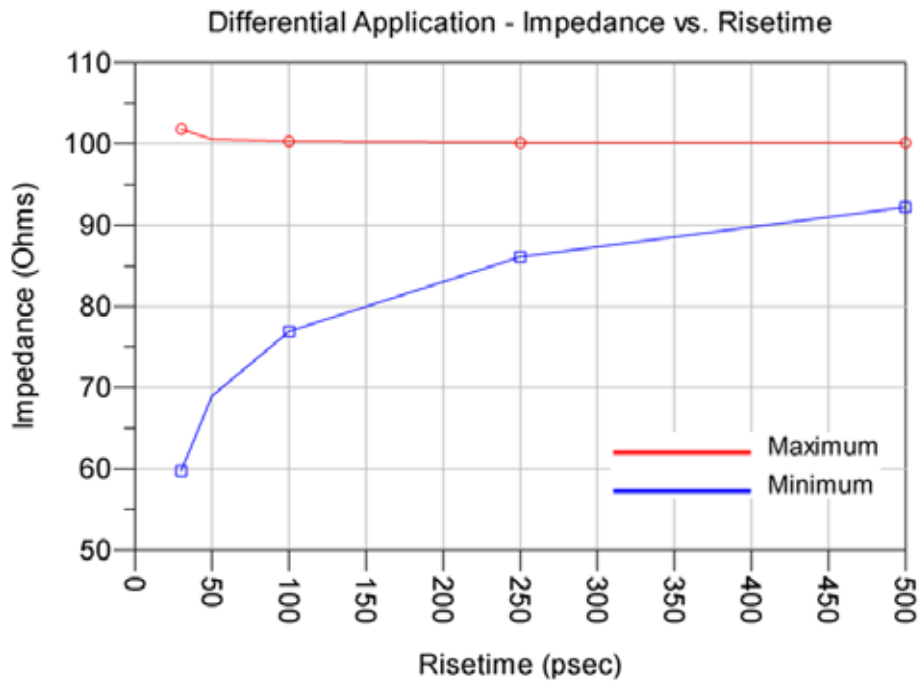
| Table 3 – Single-End Impedance (Ω) | | | | | |
|---|-------|-------|--------|--------|--------|
| Signal Risetime | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance | 56.9 | 52.8 | 50.5 | 50.1 | 50.1 |
| Minimum Impedance | 40.1 | 43.3 | 46.8 | 48.5 | 48.4 |



Series: QTH/QSH

Description: High Speed Ground Plane Header, 0.5mm (.0197") Pitch, 5mm (.1969") Stack Height

| Table 4 - Differential Impedance (Ω) | | | | | |
|---|-------|-------|--------|--------|--------|
| Signal Risetime | 30 ps | 50 ps | 100 ps | 250 ps | 500 ps |
| Maximum Impedance | 101.8 | 100.6 | 100.6 | 100.1 | 100.1 |
| Minimum Impedance | 59.8 | 69 | 76.9 | 86.1 | 92.2 |



Series: QTH/QSH

Description: High Speed Ground Plane Header, 0.5mm (.0197") Pitch, 5mm (.1969") Stack Height

| Table 5 - Single-Ended Crosstalk (%) | | | | | | |
|--------------------------------------|-------|------|-------|--------|--------|--------|
| Input(tr) | | 30ps | 50 ps | 100 ps | 250 ps | 500 ps |
| NEXT | GAQG | 21 | 17.5 | 14.9 | 8 | 4.5 |
| | GAGQG | 3.2 | 2.4 | 1.8 | .9 | .6 |
| | Xrow | 0.2 | 0.1 | < 0.1% | < 0.1% | < 0.1% |
| FEXT | GAQG | 2.9 | 1.8 | 1.1 | 0.5 | 0.2 |
| | GAGQG | 3.0 | 2.3 | 1.2 | 0.4 | 0.2 |
| | Xrow | 0.2 | 0.1 | < 0.1% | < 0.1% | < 0.1% |

| Table 6 - Differential Crosstalk (%) | | | | | | |
|--------------------------------------|---------|--------|--------|--------|--------|--------|
| Input(tr) | | 30ps | 50 ps | 100 ps | 250 ps | 500 ps |
| NEXT | GAAQQG | 5.4 | 5.1 | 4.6 | 2.7 | 1.5 |
| | GAAGQQG | 0.4 | 0.3 | 0.3 | 0.2 | < 0.1% |
| | Xrow | < 0.1% | < 0.1% | < 0.1% | < 0.1% | < 0.1% |
| FEXT | GAAQQG | 2.3 | 1.8 | 1.3 | 0.8 | 0.5 |
| | GAAGQQG | 0.5 | 0.3 | 0.1 | < 0.1% | < 0.1% |
| | Xrow | < 0.1% | < 0.1% | < 0.1% | < 0.1% | < 0.1% |

| Table 7 - Propagation Delay (Mated Connector) | |
|---|-------|
| Single-Ended | 61 ps |
| Differential | 59 ps |