

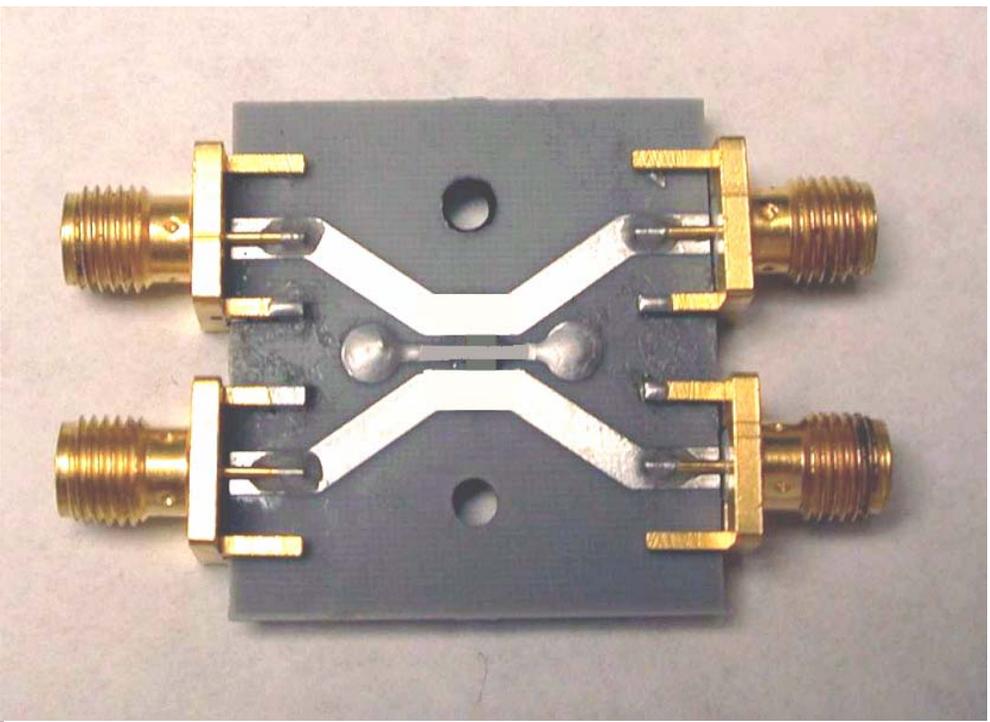
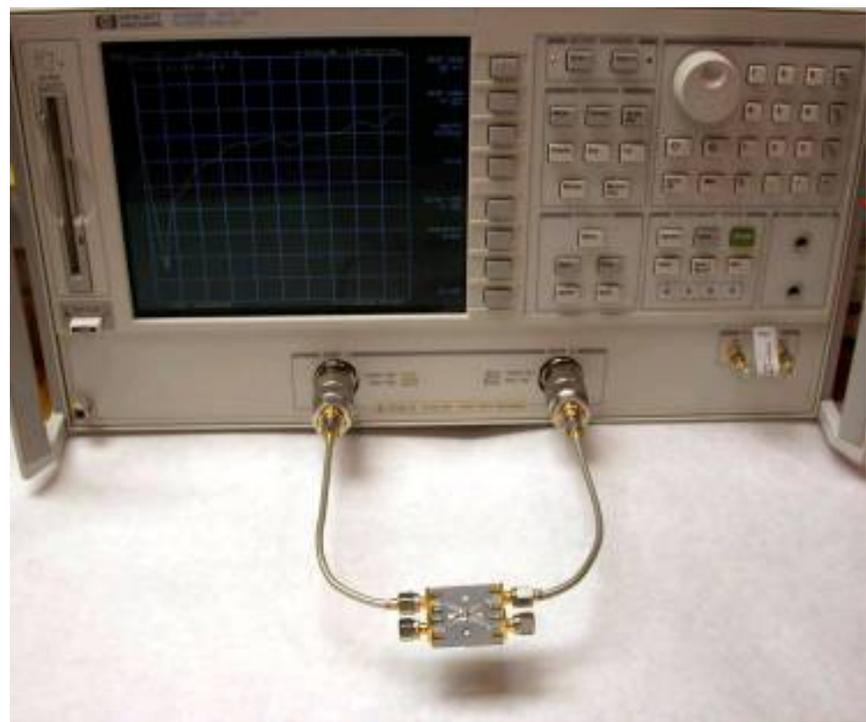
X2Y[®] vs. Bulk Capacitance (Circuit 1)

Test Results #TR 2003, v2.0

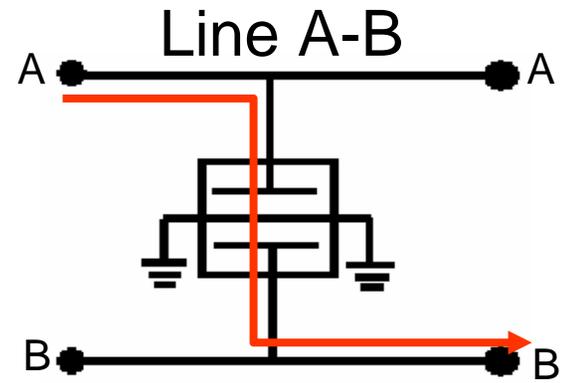
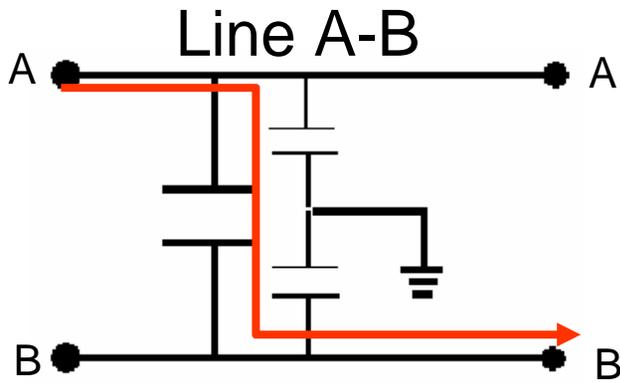
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HP 8753E Network Analyzer

Test Board



All ports terminated with 50 Ohms



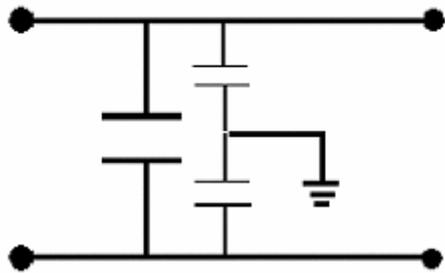
Standard Bulk Capacitors

1. (1) X= 1210 10uF (2) Y's = 1206 1uF
2. (1) X= 1210 22uF (2) Y's = 1210 22uF
3. (1) X= 1206 1uF (2) Y's = 1206 1uF
4. (1) X= 1210 100uF (2) Y's = 1210 100uF
5. (1) X= 1210 10uF (2) Y's = 1210 10uF

X2Y Component

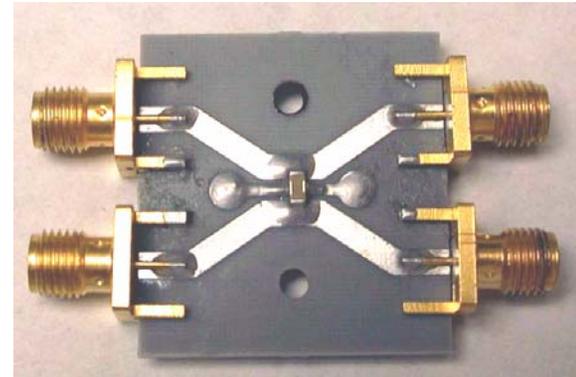
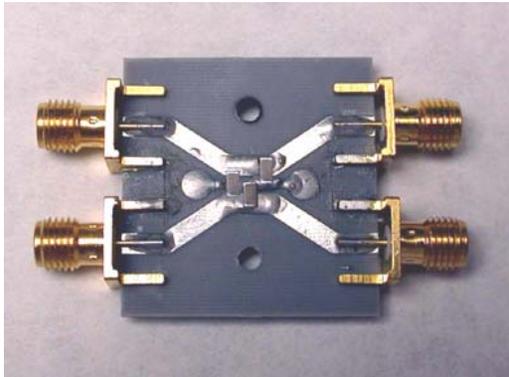
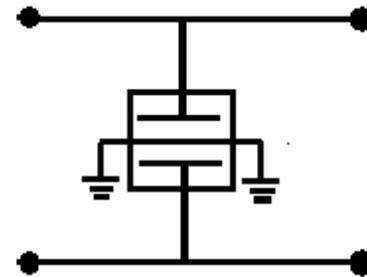
1. (1) X2Y = 1206 820nF
2. (1) X2Y = 1206 390nF
3. (1) X2Y = 1210 5uF

Bulk capacitors , (1)X & (2)Y's

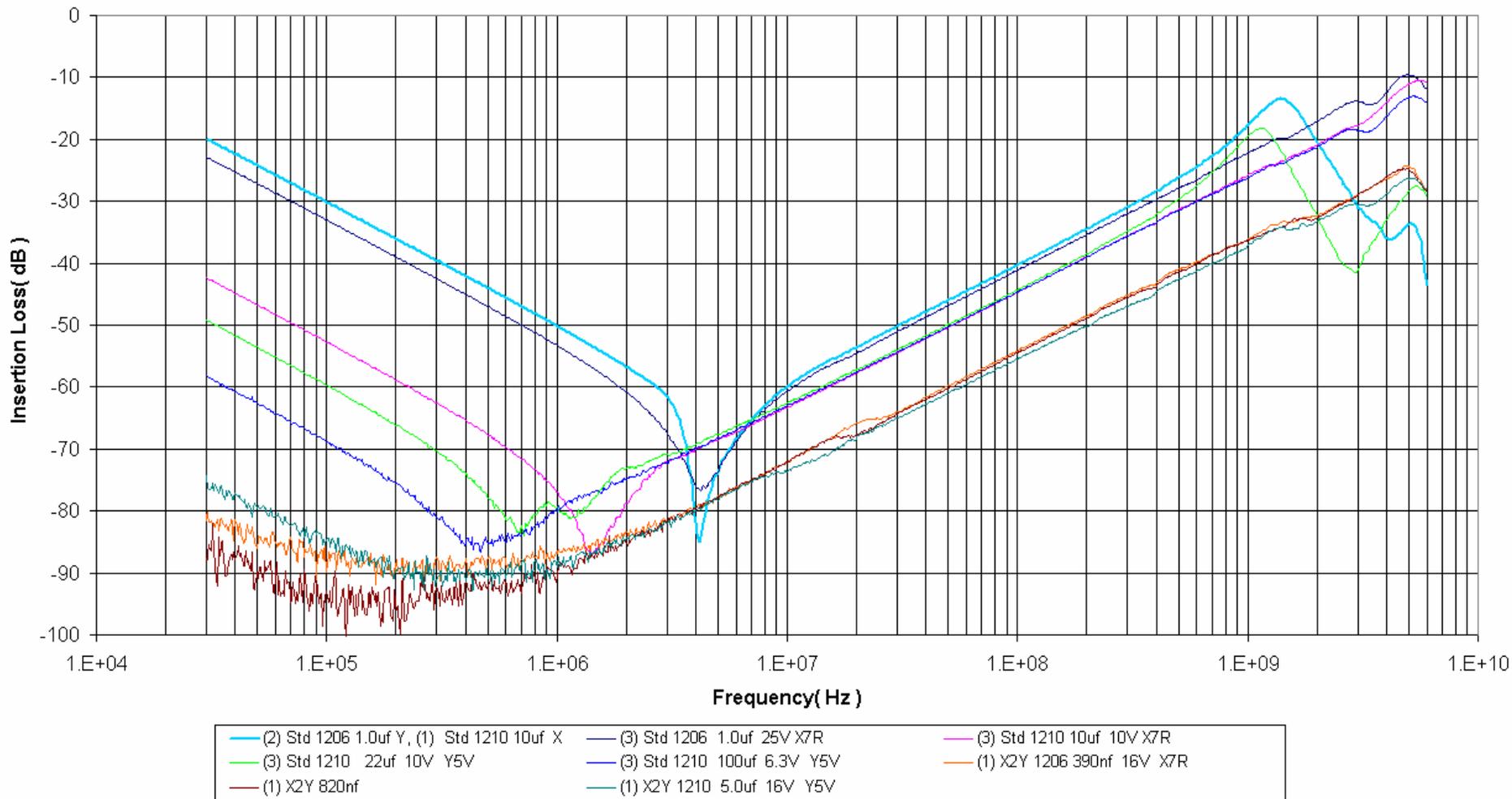


VS.

(1) X2Y



**Bulk Capacitance Comparison
Standard Caps vs X2Y
s21 measurement**



Direct inquiries and questions about Test Reports, Application Notes, or X2Y[®] products, please contact:



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