

Test Comparisons – X2Y[®] vs. Discretes on 0.042" PC Board (Circuit 1)

Test Results #TR 2002, v2.0

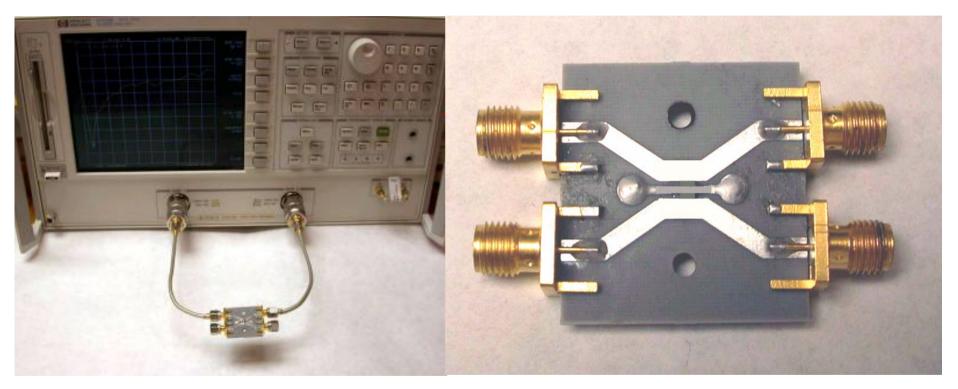
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Test Set-up

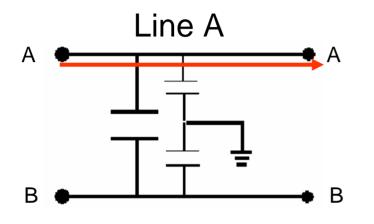
HP 8753E Network Analyzer Test Board

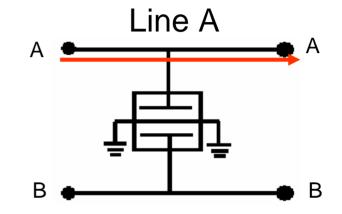


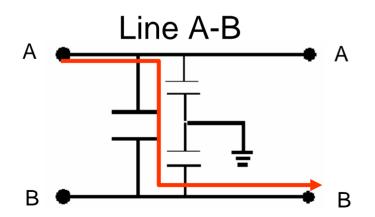
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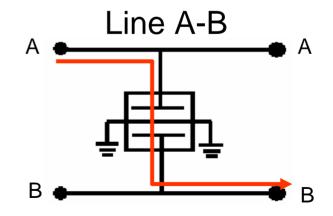


All ports terminated with 50 Ohms











Device Under Test (DUT) #1

Standard Components

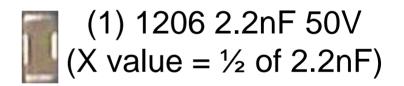


(1) 1206 1nF 50V



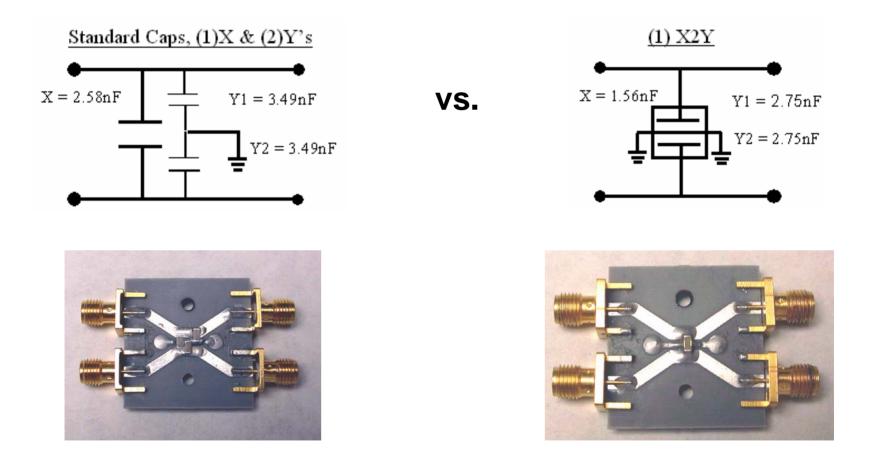


X2Y Component

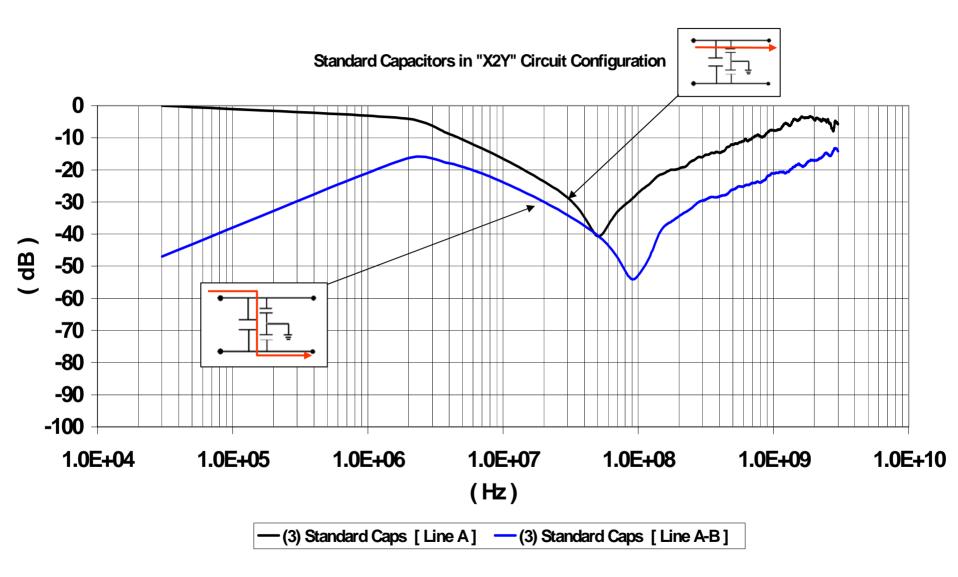




Note: Capacitance values shown were measured with components on the board.



Standard MLC Capacitors – X & (2)Y Configuration

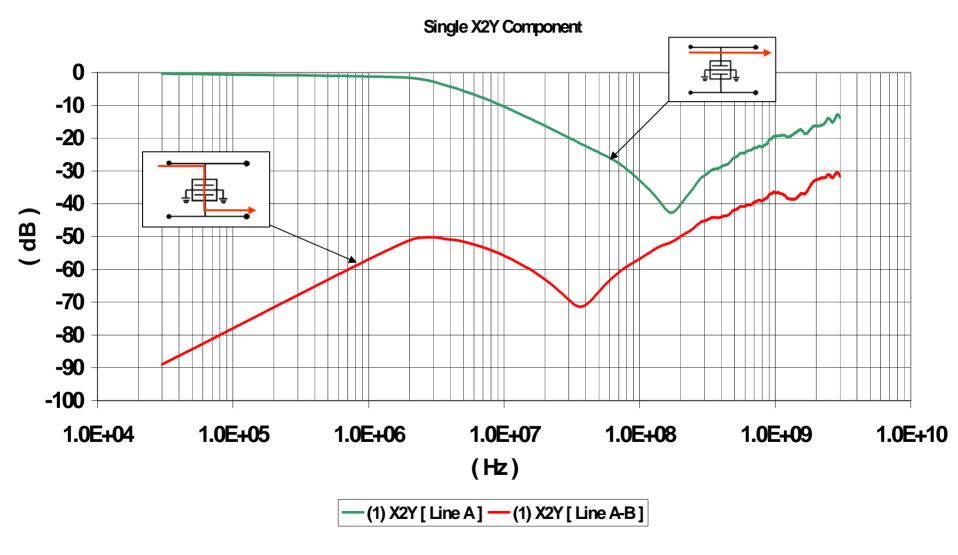


XZ

Technology In Balance



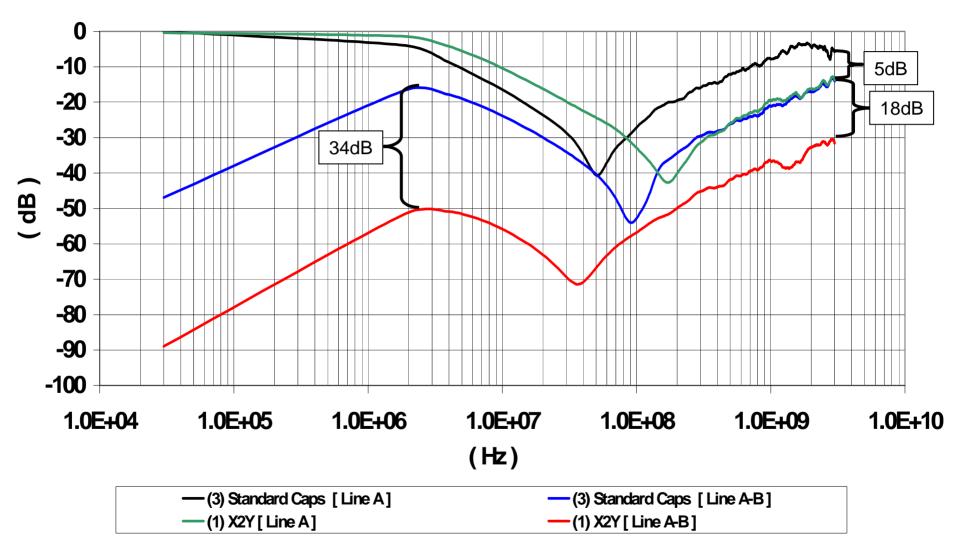
X2Y[®] MLC Technology





X2Y[®] vs. MLCC Comparison

All Data Combined



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Device Under Test (DUT) #2

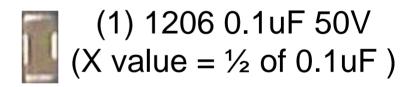
Standard Components

(1) 1206 0.047uF 50V



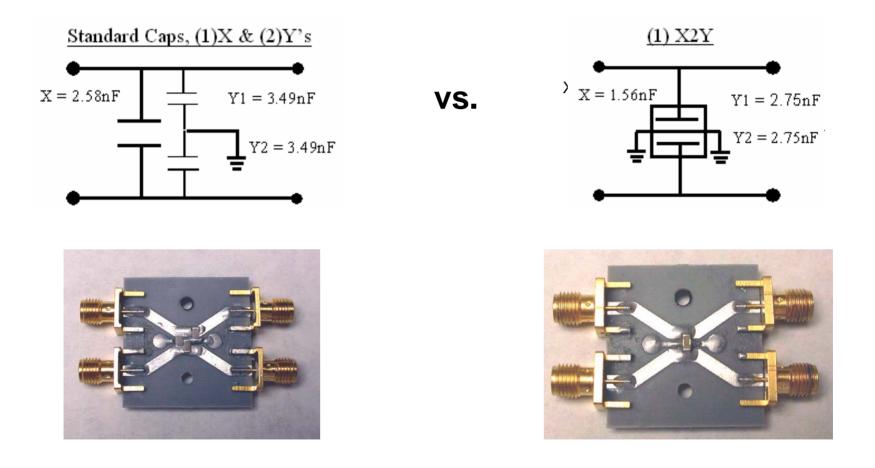


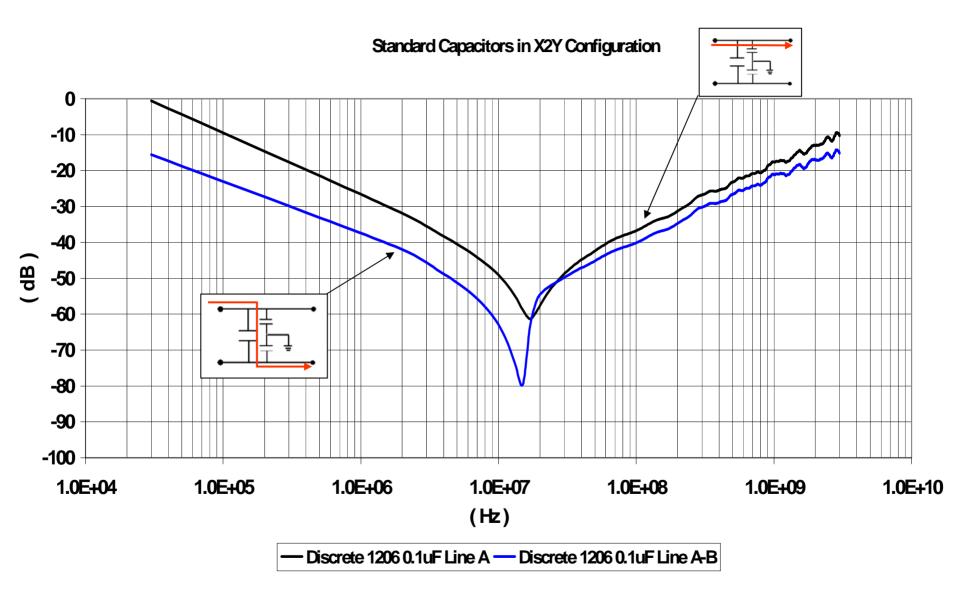
X2Y Component





Note: Capacitance values shown were measured with components on the board.





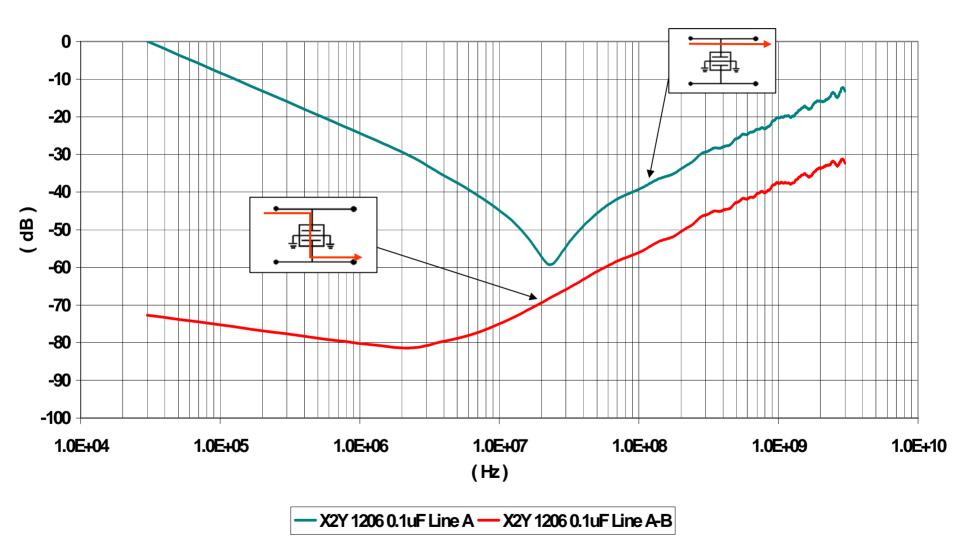
XZY

Technology In Balance



X2Y[®] MLC Technology

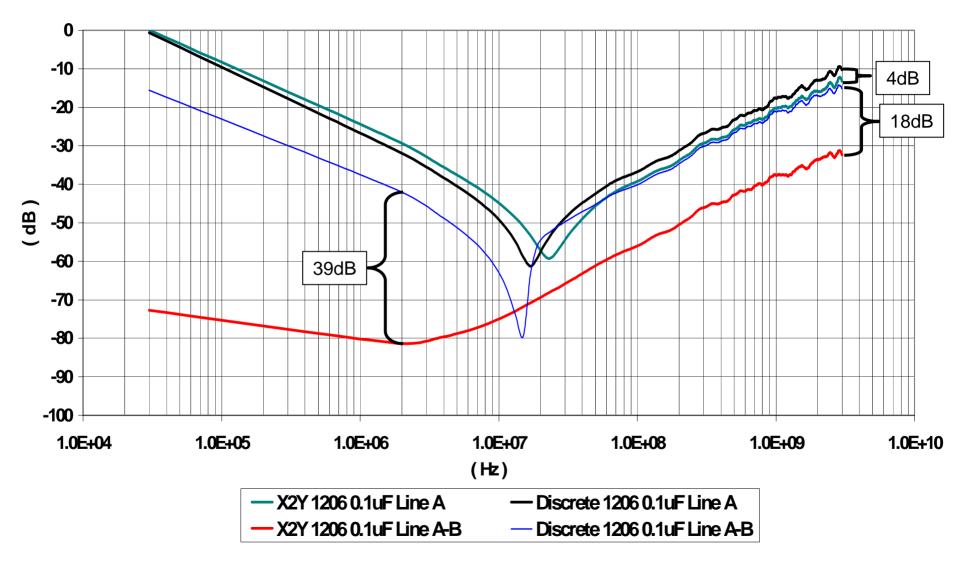
Single X2Y Component





X2Y[®] vs. MLCC Comparison

All Data Combined



8/3/2005

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



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