



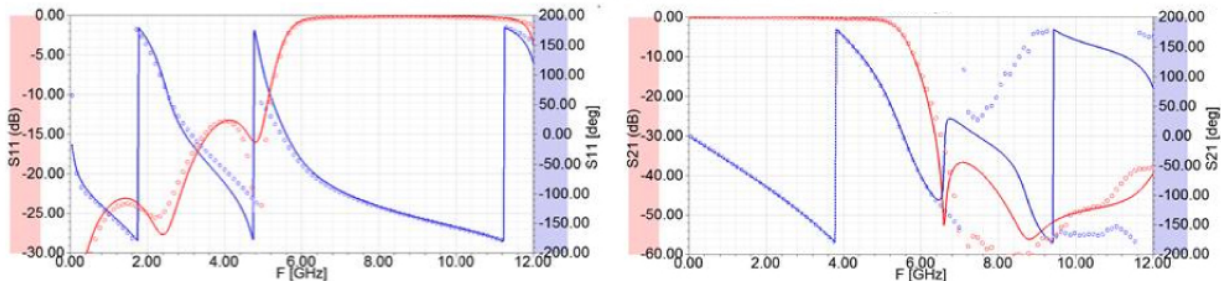
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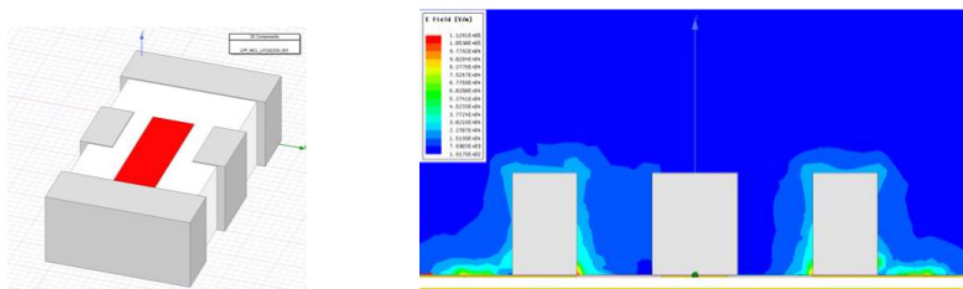
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## Modelithics Microwave Global Model™ – LPF-MCL-LFCN4400-001 for the Mini-Circuits LFCN-4400+ Filter Series



Modelithics Model LPF-MCL-LFCN4400-001 for Mini-Circuits LFCN-4400+ low-pass filter. S11 (left) and S21 (right) measured versus simulated data. Substrate is 10 mil Rogers 4350B. [Click for more information on Mini-Circuits models!](#)

## Modelithics 3D Geometry Model – LPF-MCL-LFCN4400-001 for the Mini-Circuits LFCN-4400+ Filter Series



Modelithics 3D Geometry Model LPF-MCL-LFCN4400-001 for Mini-Circuits LFCN-4400+ low-pass filter. 3D model image (left), E-field visualization (right). [Click for more information on Mini-Circuits models!](#)

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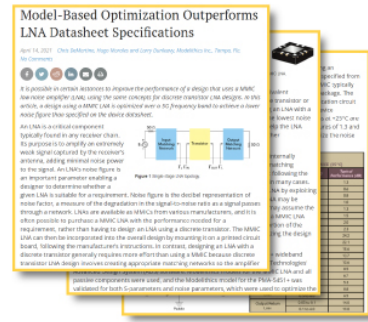
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## Article: [Model-Based Optimization Outperforms LNA Datasheet Specifications](#)

It is possible in certain instances to improve the performance of a design that uses a MMIC low noise amplifier (LNA), using the same concepts for discrete transistor LNA designs. In this article, a design using a MMIC LNA is optimized over a 5G frequency band to achieve a lower noise figure than specified on the device datasheet.



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