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# Vishay Now Offering an Online RF Surface-Mount Capacitor Software Simulation Tool

High frequency designs often achieve their desired performance through a process of trial and error. This involves a lengthy process of putting a component in the circuit, evaluating the circuit's performance, and swapping out the component until the proper circuit performance is achieved. Instant visibility of product performance is a key factor, requires less reworking, and allows products to reach the market more quickly. Fortunately, this approach can be streamlined with the use of RF simulation data.

Vishay is pleased to announce an online simulation tool for select VJ HIFREQ series RF surface-mount capacitors in the 0402, 0603, 0805, and 0505 case sizes. Available at [www.vishay.com/capacitors/ceramic/rfmlcc-simulation-tool/](http://www.vishay.com/capacitors/ceramic/rfmlcc-simulation-tool/), the tool provides measured MLCC electrical performance data such as:

- ESR vs. frequency
- Impedance vs. frequency
- Insertion loss
- Reflection coefficients
- Series inductance
- Capacitance vs. frequency

Additional series, body sizes, voltage ratings, and capacitance values will be released as they become available.

## Useful Links

- S-Parameters <https://www.vishay.com/doc?45072>
- RF Design Kits <https://www.vishay.com/doc?45232>
- RF Design Kits Hi-Temp <https://www.vishay.com/doc?45259>
- Modelithics Vishay MVP Library [Modelithics Vishay MVP Model Listing - Modelithics, Inc.](#)
- Cadence AWR [Cadence AWR Design Environment V15 Now Available | AWR Software](#)

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