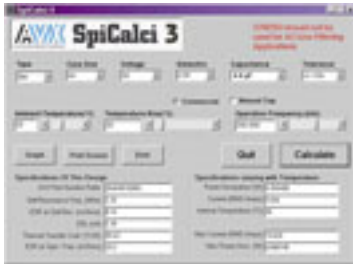


## Software to Evaluate Capacitors

Published on Wireless Design & Development (<http://www.wirelessdesignmag.com>)

---

## Software to Evaluate Capacitors



AVX introduces SpiCALCI-3 software. This Windows-based software provides parameters required for SPICE-based computer modeling and circuit simulations of switch mode power supply (SMPS) and high-voltage capacitors. The SpiCALCI-3 software displays equivalent series resistance (ESR), equivalent series inductance (ESL) and self-resonant frequency. The graphical interface enables electrical design engineers to graph impedance and ESR vs. frequency, temperature rise vs. ripple current, and maximum ripple current vs. frequency. In addition, this software allows the user to simulate results at any temperature, ranging from  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ . The SpiCALCI-3 software offers enhancement of the graphical user interface in the graph mode with the addition of a dynamic graphing feature; updated part number generation, allowing two options for capacitance selection; and the addition of the SE-Series product with extended range of commercial radial capacitors similar to the SK-Series.

**Source URL (retrieved on 01/31/2015 - 1:40pm):**

<http://www.wirelessdesignmag.com/product-releases/2003/10/software-evaluate-capacitors>