

Our Story

Sprague Goodman Electronics, Inc. has been at the forefront of design, manufacturing and customization of passive components since 1972.

David Ditlya, a highly regarded industry specialist in designing non-magnetic trimmer capacitors, oversees all aspects of the business. David holds several US Patents:

- 4,757,782
- 5,155,564
- 5,229,911
- 6,498,712

In addition to our industry leading product line, we work with companies that require a high level of customization for their most advanced projects. With the creation of our Specialty Products Division, we are able to deliver a degree of customization and a level of client service which is virtually unparalleled in our industry. We work diligently to insure that our products meet the most stringent quality control requirements.

By leveraging our areas of expertise, the diverse experience of our team, and our extensive industry network, we provide creative RF Solutions to a wide variety of leading-edge customers.

We strive to build the best performing components for your next project.

We provide products to a global customer base of Defense, Medical, Telecommunications and Technology companies.



Sprague Goodman Variable Capacitors

The Sprague Goodman Specialty Products group works with our customers designing new variable capacitors made specifically for their applications. Our team of highly trained individuals and state of the art manufacturing facility allows us to deliver high quality results in a time efficient manner. In other words, we will build it right, we will build it fast and we will build it just for you.

Please use the following product list as a guide to our capabilities. We understand that most projects require custom parts and we have the ability to make adjustments as needed.

Non-Magnetic Variable Trimmer Capacitors

SGNM Series

- High Voltage Ceramic Dielectric
- Internally Sealed to withstand external pressure of up to 40 PSI
- Residual magnetic value less than 20nt



SGNMA3T Series

- Multi-Turn Economical Solution
- High Voltage PTFE Dielectric
- High Precision



Variable Trimmer Capacitors

PistonCap Precision Capacitors

- Approved to MIL-C-14409D Specification styles PC35, PC37, PC38, PC39, PC40, PC41, PC43, PC48, PC50 AND PC52
- Wide Range of customization and mounting options
- Three dielectrics - glass, high range glass and quartz



Airtrim Air Dielectric Multiturn

- Designed to meet MIL-C-14409D
- High Q, excellent stability and multiturn resolution
- 14 different standard mounting options



GXE Series

- High Voltage PTFE Dielectric
- Miniature Design
- Half Turn Adjustment



SGC35

- Miniature Surface Mount Design
- Ceramic Dielectric
- Half Turn Adjustment



Mica Dielectric

- Large Capacitance Ranges
- Stable RF current handling capability
- Many forms and mounting styles



PTFE Dielectric - Multi Turn

- High Q, DWV, and IR
- Excellent Conductivity and Stability
- Corrosion Resistance



Sapphire Dielectric

- Designed to meet MIL-C-14409D
- Very high Q at UHF and microwave frequencies
- Precision high resolution adjustment



Filmtrim Plastic Dielectric

- SMD and lead through hole mounting
- Top, bottom and side mount models
- Six Dielectrics available
- Non-Magnetic version available
- High temperature versions available



Tuning Varactor Diodes

- Mesa epitaxial silicon construction
- Silicon dioxide passivated
- Superior mid range linear characteristics
- High Q and tuning ratios
- Available in common cathode style

Microwave Tuning Elements

- Metallic Tuning Elements
- Dielectric Tuning Elements
- Tuning Rotors
- Dielectric Resonator Tuners
- LC Tuning Elements
- Resistive Tuning Elements



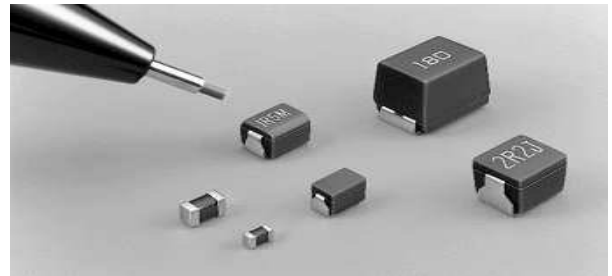
Tuning Tools



Inductors & Transformers

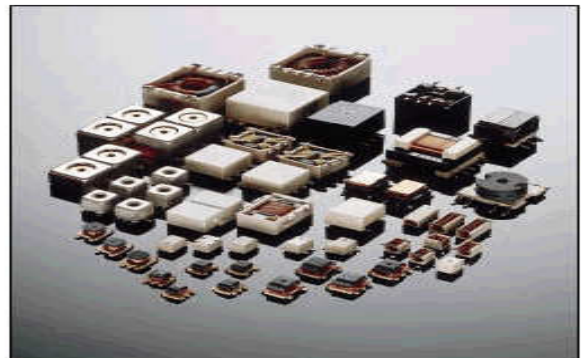
SMT Chip Inductors

- High Q & High self-resonant frequency including nonmagnetic models in microwave range
- Shielded series use ferrite filled encapsulation to reduce external magnetic coupling
- Carrier and reel packaging is standard



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