



SUCCESS STORY

Spectrum Control Introduces High Power SAW Filters

Small size, rugged construction, and reliable operations

As applications in the radio-frequency world face higher power demands and more RF pollution, the SAW filters that have shaped front-end designs for decades have to adapt to these challenges. Today, SAW filters now face more high-power RF surges from many sources.

Spectrum Control's new high power SAW filters are designed to address this issue. Satellites, defense, and electronic warfare are some of the key high-power and high-reliability applications that deal with the increasing electromagnetic frequency noise. As the only US-based manufacturer of high power SAW filters, Spectrum Control uses an advanced manufacturing process that delivers higher power, tighter bandwidths, and expanded package options.

Spectrum Control's high power filters target applications in the military, commercial aerospace, industrial, and commercial communications sectors. This filter is one of a new line of high power SAW filters developed to meet the demands of an ever transforming marketplace. The low insertion loss combined with the increased input power handling will allow for it to be employed in all systems where the need for surviving a high input power environment is crucial.

Spectrum Control is the only US-based manufacturer of High Power SAW Filters



Ideal for either a rugged commercial or space application



Spectrum Control's high power SAW Filter breaks new ground by adding high power input capabilities up to +35 dBm CW at +125C. Our SAW product offering covers the 20 MHz – 2.6 GHz spectrum and in narrow, wide, and fractional bandwidths. These 20-500 MHz SAWs are capable of taking up to +35 dBm CW input power with very little degradation of the specifications of the filter.

Features & Highlights

- Small size: 5 x 7 mm ceramic LCC.
- Durable.
- Steady State Input Power of +30 dBm indefinitely.
- Survivability at +32 dBm for >20 equivalent years.
- Low Insertion loss of 2.6 dB (4 dB max).
- Ideal for either a rugged commercial or space application.
- Temperature Range of -40°C to 85°C