

## ECCOSTOCK<sup>®</sup> FFP used for Staking Toroidal Inductors in Place

MtronPTI ([www.mtronpti.com](http://www.mtronpti.com)), a full service manufacturer of frequency control devices sought to encapsulate a series of solenoid inductors in one of their 250 MHz High Power RF Filters. These inductors (shown after potting below) undergo extreme vibration throughout its lifespan and without being properly staked in place, they would eventually vibrate loose causing the equipment to malfunction.



*Solenoid inductors and transformers are electronic components typically made from wrapping wire around a form that is either removed or remains part of the assembly. There may or may not be magnetic materials depending on the frequency of operation.*

Engineers at MtronPTI qualified ECCOSTOCK<sup>®</sup> FFP for its low loss characteristics and low shrinkage properties. This inexpensive replacement for a potting compound that was used years before is a powder that when packed properly and heat cured has minimal shrinkage. This key factor along with its low 1.25 dielectric constant allows the ECCOSTOCK<sup>®</sup> FFP to be used in potting electronics without exhibiting stress on delicate components or affecting its RF properties.