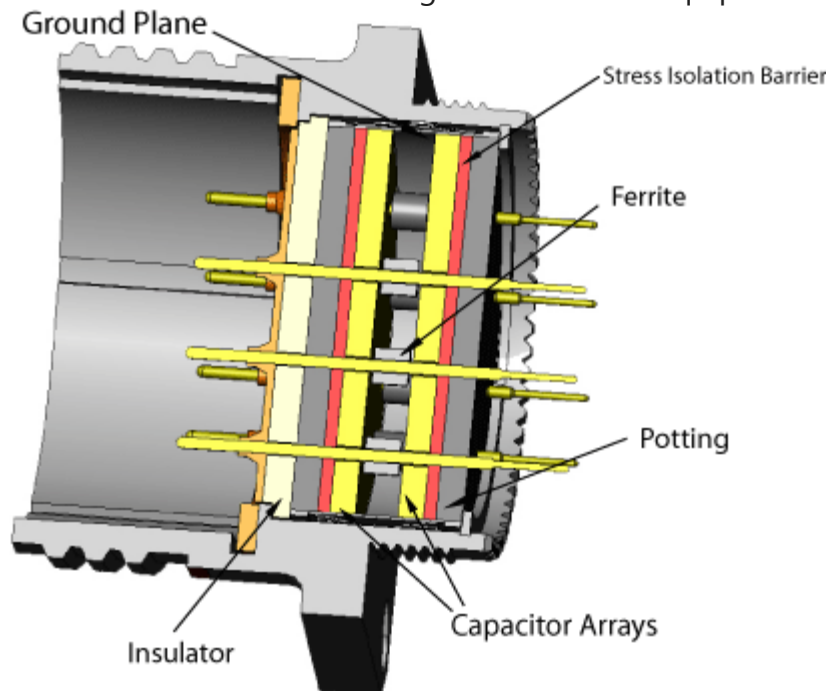


Advantages of EMI Filter Connectors

- Smiths Interconnect uses monolithic capacitor arrays, the most reliable method of EMI/RFI filtering
- A single capacitor array can provide multiple capacitance values
- Most space efficient method of packaging EMI/RFI and EMP transient protection
- Connector shell protects capacitor array & diodes from environmental, mechanical and thermal damage
- Transient voltage suppressors (transorbs) integrated into the connector offer EMP transient protection to sensitive circuitry.
- JANTX level or equivalent diode reliability screening is available
- System weight is reduced by integrating the filters and diodes into the connector
Modular design techniques reduce the overall package size improves maintainability
- Tested and documented using automatic test equipment



Advantages of Filtered EMP connectors with Transient Protection and EMI Suppression

- Transient protection can be combined with EMI filtering if required Standard "catalog" diodes are used instead of low wattage chip diodes susceptible to failure
- Mixture of diode parameters varying power, voltage and polarity within the same connector



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- Diodes can be removed and replaced without disassembly of the connector
- Transient protection is located at the interface of the system
- Separable diode and filter modules are more easily repaired Diodes and filters are protected by the shell reducing environmental/mechanical damage
- System retrofit to EMP/EMI is compatible with unprotected connector



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