

# Technical Capability Characteristics

## Filter Design Capabilities

### Electrical

Characteristic Impedance	50 ohms
Operating Frequency	Up to 18 GHz
Rejection Criteria	Up to 30 dB over 5% Bandwidth
Input Power CW	Up to 10 Watts

### Environmental

Operating Temperature	-40°C to +85°C
Storage Temperature	-65°C to +150°C
Moisture Sensitivity Level	1 - Unlimited

### Mechanical

Configuration	Surface Mount or Wire Bondable Chip Packages
Package Size	Varies based on Electrical Requirements and Dielectric
Substrate Materials	Various Dielectrics Options Available
Conductor Material	Thick Film with Tin/Lead or RoHS Compliant Silver Plating
Shielding Material	Stainless Steel (If required)

### Quality Assurance

Sample visual and mechanical inspection - 1.0 AQL per mechanical drawing requirements
Periodic electrical inspection performed for commercial grade products
High reliability tested products are available

### Marking

Unit Marking	Available if required
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### Packaging

Standard Packaging	Waffle Pack or Tape and Reel
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