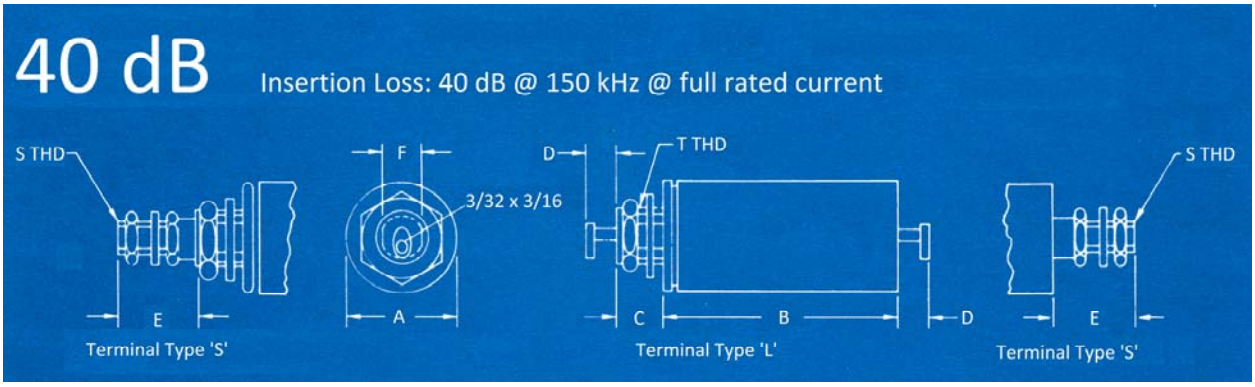
# *Tubular Filters*
# *40 dB*




| FC Part No | Voltage | Current (Amps) | A ±.015 (inch) | B ±.060 (inch) | C ±.020 (inch) | D (max) | E (max) | F | T THD | S THD |
|---|---|---|---|---|---|---|---|---|---|---|
| D100AE101L | 100 VDC | 0.1 | 0.670 | 1.500 | 0.250 | 0.187 | ~ | .206/.196 | 1/4-28 | ~ |
| D100AF501L | 100 VDC | 0.5 | 0.500 | 1.812 | 0.250 | 0.187 | ~ | .206/.196 | 1/4-28 | ~ |
| D100AG102L | 100 VDC | 1.0 | 1.000 | 1.937 | 0.250 | 0.187 | ~ | .206/.196 | 1/4-28 | ~ |
| D100AL302L | 100 VDC | 3.0 | 3.000 | 2.375 | 0.281 | 0.187 | ~ | .255/.250 | 5/16-24 | ~ |
| D100BA502L | 100 VDC | 5.0 | 5.000 | 2.250 | 0.437 | 0.250 | ~ | .380/.365 | 7116-20 | ~ |
| D100BH103L | 100 VDC | 10.0 | 10.000 | 2.562 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| D100BH153S | 100 VDC | 15.0 | 15.000 | 2.875 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | 8-32 |
| D100BK203S | 100 VDC | 20.0 | 20.000 | 3.250 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | 8-32 |
| D100CC303S | 100 VDC | 30.0 | 30.000 | 3.875 | 0.375 | ~ | 0.843 | .661/.656 | 3/4-20 | 10-32 |
| D100CL503S | 100 VDC | 50.0 | 50.000 | 4.000 | 0.562 | ~ | 0.843 | 1.070/1.065 | 1-1/8-18 | 1/4-20 |
| D400AF101L | 130VAC/400VDC | 0.1 | 0.100 | 1.812 | 0.250 | 0.187 | ~ | .206/.196 | 1/4-28 | ~ |
| D400AG501L | 130VAC/400VDC | 0.5 | 0.500 | 1.937 | 0.250 | 0.187 | ~ | .206/.196 | 1/4-28 | ~ |
| D400AK102L | 130VAC/400VDC | 1.0 | 1.000 | 2.250 | 0.250 | 0.187 | ~ | .206/.196 | 1/4-28 | ~ |
| D400AU302L | 130VAC/400VDC | 3.0 | 3.000 | 2.437 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| D400BB502L | 130VAC/400VDC | 5.0 | 5.000 | 2.812 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| D400BK103L | 130VAC/400VDC | 10.0 | 10.000 | 3.250 | 0.437 | 0.250 | ~ | .380/.365 | 7116-20 | ~ |
| D400BL153L | 130VAC/400VDC | 15.0 | 15.000 | 3.812 | 0.375 | ~ | 0.687 | .661/.658 | 3/4-20 | 8-32 |
| D400BT203S | 130VAC/400VDC | 20.0 | 20.000 | 3.625 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | 8-32 |
| D400CH303S | 130VAC/400VDC | 30.0 | 30.000 | 4.000 | 0.500 | ~ | 0.843 | .930/.915 | 1-.14 | 8-32 |
| D400CL503S | 130VAC/400VDC | 50.0 | 50.000 | 2.250 | 0.562 | ~ | 0.843 | 1.070/1.055 | 1-1/8-18 | 1/4-20 |
| D600AM101L | 250VAC/600VDC | 0.1 | 0.100 | 2.250 | 0.281 | 0.187 | ~ | .255/.250 | 5/16-24 | ~ |
| D600AM501L | 250VAC/600VDC | 0.5 | 0.500 | 2.875 | 0.281 | 0.187 | ~ | .255/.250 | 5/16-24 | ~ |
| D600AN102L | 250VAC/600VDC | 1.0 | 1.000 | 3.125 | 0.281 | 0.187 | ~ | .255/.250 | 5116-24 | ~ |
| D600AV302L | 250VAC/600VDC | 3.0 | 3 | 3.625 | 0.437 | 0.25 | ~ | .380/.365 | 7/16-20 | ~ |
| D600BM502L | 250VAC/600VDC | 5.0 | 5 | 4.25 | 0.437 | 0.25 | ~ | .380/.365 | 7/16-20 | ~ |
| D600BN103L | 250VAC/600VDC | 10.0 | 10 | 4 | 0.437 | 0.25 | ~ | .380/.365 | 7/16-20 | ~ |
| D600BU153S | 250VAC/600VDC | 15.0 | 15 | 4.5 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | Aug-32 |
| D600BV203S | 250VAC/600VDC | 20.0 | 20 | 4.625 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | Aug-32 |
| D600CM303S | 250VAC/600VDC | 30.0 | 30 | 5 | 0.562 | ~ | 0.843 | 1.070/1.055 | '-1/8-18 | Oct-32 |
| D600CN503S | 250VAC/600VDC | 50.0 | 50 | 5 | 0.562 | ~ | 0.843 | 1.070/1.055 | 1-1/8-18 | 1/4/2020 |

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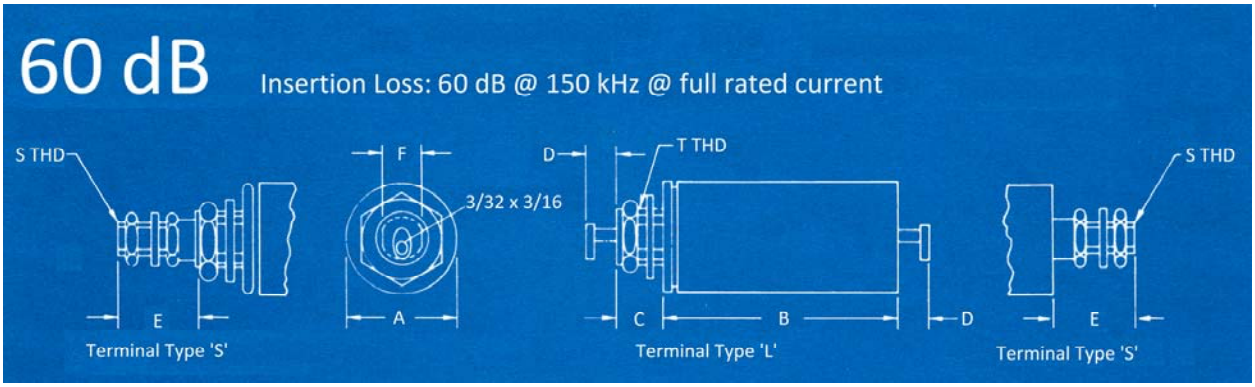
# *Tubular Filters*
# *60 dB*




| FC Part No | Voltage | Current (Amps) | A ±.015 (inch) | B ±.060 (inch) | C ±.020 (inch) | D (max) | E (max) | F | T THD | S THD |
|---|---|---|---|---|---|---|---|---|---|---|
| F100AG101L | 100VDC | 0.1 | 0.670 | 1.937 | 0.250 | 0.187 | ~ | .206/.196 | 1/4-28 | ~ |
| F100AP501L | 100VDC | 0.5 | 0.750 | 2.125 | 0.281 | 0.187 | ~ | .255/.250 | 5/16-24 | ~ |
| F100AL102L | 100VDC | 1.0 | 0.750 | 2.375 | 0.281 | 0.187 | ~ | .255/.250 | 5/16-24 | ~ |
| F100BC302L | 100VDC | 3.0 | 1.125 | 2.375 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| F100BD502L | 100VDC | 5.0 | 1.125 | 2.625 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| F100BW103L | 100VDC | 10.0 | 1.500 | 3.312 | 0.375 | 0.500 | ~ | .661/.656 | 3/4-20 | ~ |
| F100BW103S | 100VDC | 10.0 | 1.500 | 3.312 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F100BT153S | 100VDC | 15.0 | 1.500 | 3.625 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F100BT203S | 100VDC | 20.0 | 1.500 | 3.625 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F100CHS03S | 100VDC | 30.0 | 2.000 | 4.000 | 0.500 | ~ | 0.843 | .930/.915 | 1-14 | #10-32 |
| F100CP503S | 100VDC | 50.0 | 2.250 | 4.500 | 0.562 | ~ | 0.843 | 1.070/1.055 | 1-1/8-18 | 1/4-20 |
| F400AM101L | 130 VAC/400 VDC | 0.1 | 0.750 | 2.250 | 0.281 | 0.187 | ~ | .255/.250 | 5/16-24 | ~ |
| F400AR501L | 130 VAC/400 VDC | 0.5 | 0.750 | 2.750 | 0.281 | 0.187 | ~ | .255/.250 | 5/16-24 | ~ |
| F400AW102L | 130 VAC/400 VDC | 1.0 | 1.000 | 2.375 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| F400BE302L | 130 VAC/400 VDC | 3.0 | 1.125 | 3.000 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| F400BP502L | 130 VAC/400 VDC | 5.0 | 1.250 | 3.875 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| F400BY103L | 130 VAC/400 VDC | 10.0 | 1.500 | 4.125 | 0.375 | 0.500 | ~ | .661/.656 | 3/4-20 | ~ |
| F400BY103S | 130 VAC/400 VDC | 10.0 | 1.500 | 4.125 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F400CD153S | 130 VAC/400 VDC | 15.0 | 1.750 | 4.375 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F400CE203S | 130 VAC/400 VDC | 20.0 | 1.750 | 5.000 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F400C0303S | 130 VAC/400 VDC | 30.0 | 2.250 | 4.875 | 0.562 | ~ | 0.843 | 1.070/1.055 | 1-1/8-18 | #10-32 |
| F400CR503S | 130 VAC/400 VDC | 50.0 | 2.250 | 5.750 | 0.562 | ~ | 0.843 | 1.070/1.055 | 1-1/8-18 | 1/4-20 |
| F600AY101L | 250 VAC/600 VDC | 0.1 | 1.000 | 2.250 | 0.437 | 0.250 | ~ | .380/.365 | 7/16-20 | ~ |
| F600AX501L | 250 VAC/600 VDC | 0.5 | 1 | 2.5 | 0.437 | 0.25 | ~ | .380/.365 | 7/16-20 | ~ |
| F600AV102L | 250 VAC/600 VDC | 1 | 1 | 3.125 | 0.437 | 0.25 | ~ | .380/.365 | 7/16-20 | ~ |
| F600BQ302L | 250 VAC/600 VDC | 3 | 1.25 | 3.75 | 0.437 | 0.25 | ~ | .380/.365 | 7/16-20 | ~ |
| F600BZ502L | 250 VAC/600 VDC | 5 | 1.5 | 3.75 | 0.375 | 0.5 | ~ | .661/.656 | 3/4-20 | ~ |
| F600BZ502S | 250 VAC/600 VDC | 5 | 1.5 | 3.75 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F600BX103L | 250 VAC/600 VDC | 10 | 1.5 | 5 | 0.375 | 0.5 | ~ | .661/.656 | 3/4-20 | ~ |
| F600BX103S | 250 VAC/600 VDC | 10 | 1.5 | 5 | 0.375 | ~ | 0.687 | .661/.656 | 3/4-20 | #8-32 |
| F600CGI53S | 250 VAC/600 VDC | 15 | 2 | 5 | 0.5 | ~ | 0.843 | .930/.915 | 14-Jan | #10-32 |
| F600CN203S | 250 VAC/600 VDC | 20 | 2.25 | 5 | 0.562 | ~ | 0.843 | 1 .070/1 .055 | 1-1/8-18 | #10-32 |

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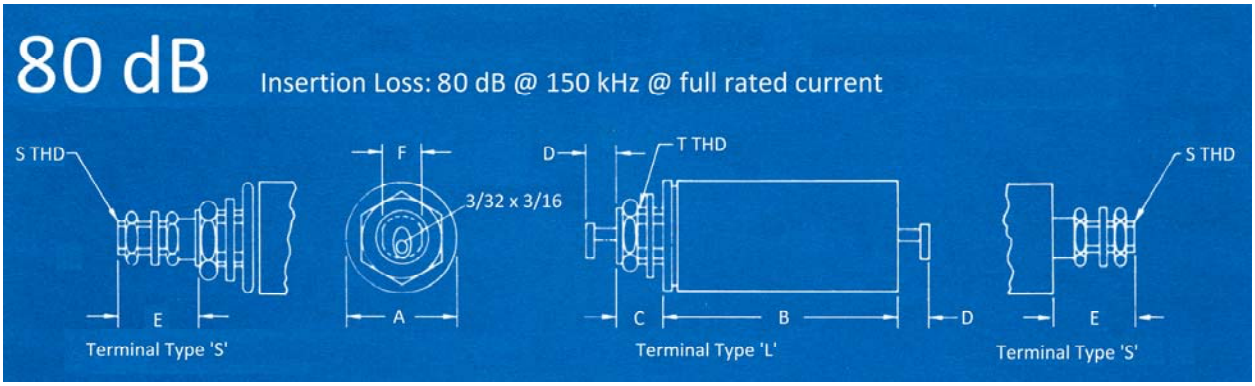
# *Tubular Filters*
# *80 dB*




| FC Part No | Voltage | Current (Amps) | A±.015 (inch) | B ±.060 (inch) | C ±.020 (inch) | D (max) | E (max) | F | T THD | S THD |
|---|---|---|---|---|---|---|---|---|---|---|
| H100AM101L | 100VDC | 0.1 | 0.750 | 2.250 | 0.281 | 0.187 | ~ | 0.255/0.250 | 5/16-24 | ~ |
| H100AY501L | 100VDC | 0.5 | 1.000 | 2.250 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H100AX102L | 100VDC | 1.0 | 1.000 | 2.500 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H100BR302L | 100VDC | 3.0 | 1.250 | 4.062 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H100BT502L | 100VDC | 5.0 | 1.500 | 3.625 | 0.375 | 0.500 | ~ | 0.661/0.656 | 3/4-20 | ~ |
| H100CH103L | 100VDC | 10.0 | 2.000 | 4.000 | 0.500 | 0.500 | ~ | 0.930/0.915 | 1-14 | ~ |
| H100CH103S | 100VDC | 10.0 | 2.000 | 4.000 | 0.500 | ~ | 0.843 | 0.930/0.915 | 1-14 | 8-32 |
| H400AT101L | 130VAC/400VDC | 0.1 | 0.875 | 2.875 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H400AZ501L | 130VAC/400VDC | 0.5 | 1.000 | 3.000 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H400BS102L | 130VAC/400VDC | 1.0 | 1.250 | 3.312 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H400CA302L | 130VAC/400VDC | 3.0 | 1.500 | 4.250 | 0.375 | 0.500 | ~ | 0.661/0.656 | 3/4-20 | ~ |
| H400CB502L | 130VAC/400VDC | 5.0 | 1.500 | 4.187 | 0.375 | 0.500 | ~ | 0.661/0.656 | 3/4-20 | ~ |
| H400CJ103L | 130VAC/400VDC | 10.0 | 2.000 | 5.125 | 0.500 | 0.500 | ~ | 0.930/0.915 | 1-14 | ~ |
| H400CJ103S | 130VAC/400VDC | 10.0 | 2.000 | 5.125 | 0.500 | ~ | 0.843 | 0.930/0.915 | 1-14 | 8-32 |
| H600BF101L | 250VAC/600VDC | 0.1 | 1.125 | 3.250 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H600BG501L | 250VAC/600VDC | 0.5 | 1.125 | 3.500 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H600BN102L | 250VAC/600VDC | 1.0 | 1.250 | 4.250 | 0.437 | 0.250 | ~ | 0.380/0.365 | 7/16-20 | ~ |
| H600CD302L | 250VAC/600VDC | 3.0 | 1.750 | 4.375 | 0.375 | 0.500 | ~ | 0.661/0.656 | 3/4-20 | ~ |
| H600CD302S | 250VAC/600VDC | 3.0 | 1.750 | 4.375 | 0.375 | ~ | 0.687 | 0.661/0.656 | 3/4-20 | 8-32 |
| H600CF502L | 250VAC/600VDC | 5.0 | 1.750 | 5.375 | 0.375 | 0.500 | ~ | 0.661/0.656 | 3/4-20 | ~ |
| H600CF502S | 250VAC/600VDC | 5.0 | 1.750 | 5.375 | 0.375 | ~ | 0.687 | 0.661/0.656 | 3/4-20 | 8.32 |
| H600CK103L | 250VAC/600VDC | 10.0 | 2.000 | 6.250 | 0.500 | 0.500 | ~ | 0.930/0.915 | 1-14 | ~ |
| H600CK103S | 250VAC/600VDC | 10.0 | 2.000 | 6.250 | 0.500 | ~ | 0.843 | 0.930/0.915 | 1-14 | 8.32 |

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# *Tubular Filters*
# *40, 60, 80 dB Specification*

Our FCF filters are designed to attenuate conducted or radiated interference in power line and communications equipment.

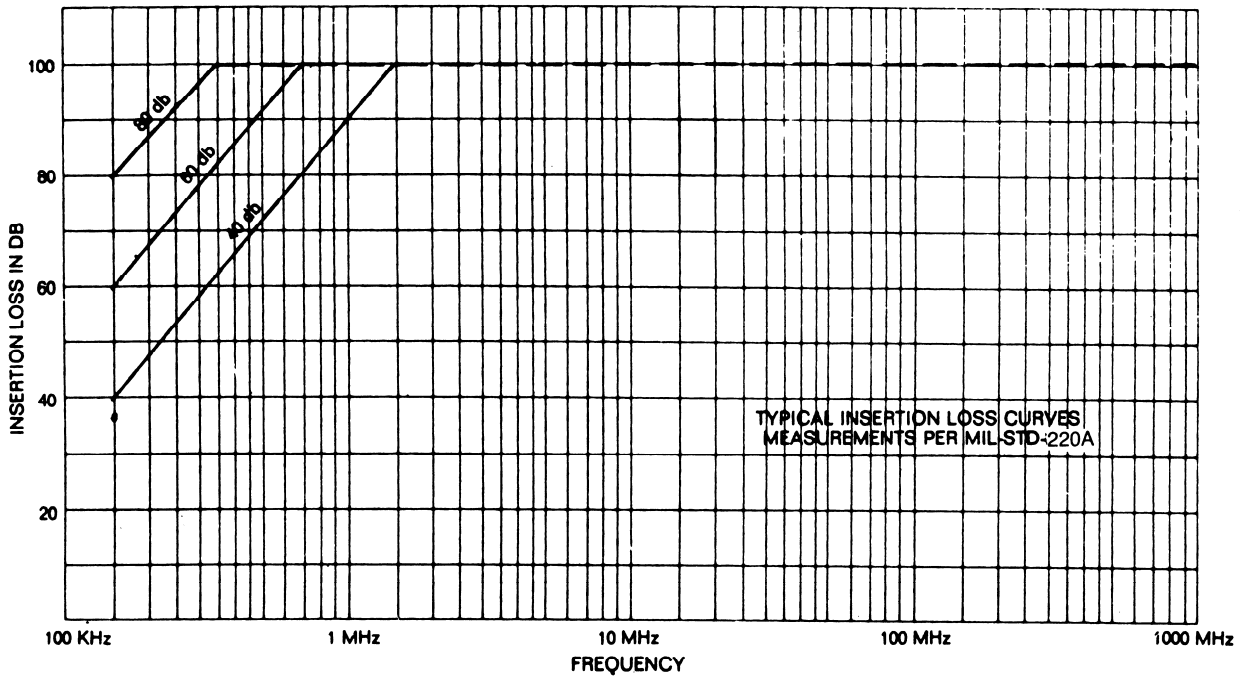
**FEATURES:**

- Attenuation ranges: 40 dB, 60 dB and 80 dB minimum at 150 KHz, per MIL-STD-220A at full load condition.
- Continuous operation at full ratings.
- Hermetically-sealed, in corrosion-resistant metal cases.
- Insertion loss measured in conformance with MIL-STD-220A; electrical and mechanical requirements in accordance with MIL-F-15733.
- TT circuit
- Rugged, reliable. FC F series filters meet MIL-F-15733 military specifications for shock, vibration, moisture and immersion resistance, temperature cycling, overload.
- Threaded neck mountings for use on panels or bulkheads.
- Wide range of sizes and operating temperatures (-55°C to +85°C)

**FIL-COIL NUMBERING SYSTEM**

FCF D 100 AE 101 L

- **L** — **Terminal Style** — L represents solder lug terminals at both ends (S — screw terminals)
- **101** — **Current** — Expressed in milliamps; 1st two digits are significant, 3rd is number of zeros following
- **AE** — **Case Code**
- **100** — **Voltage DC** — Expressed in absolute value V DC
- **D** — **Attenuation Code** — in dB at 150 KHz
- **FCF** — **FIL-COIL Type Number** — Identifies basic filter as to mechanical and electrical configuration

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