

### 1. UL, CSA, VDE AND SEMKO Safety Standards

All Qualtek filters are designed to meet UL Standard 1283, CSA Standard CS22.2 No. 0, No. 8, and VDE Standard EN60939-2, including conformity to temperature range (-25 °C to +100 °C) and full current rating usage at both 115VAC and 250 VAC. All filters are UL recognized and CSA certified and most types are VDE or SEMKO approved.

### 2. FCC and VDE Emission Compliance

Qualtek offers a wide range of filter characteristics, both in standard and custom form to help you meet all applicable FCC, VDE and VCCI conducted emission standards including FCC, VDE and VCCI class B requirements.

### 3. Construction and Design (FIG. 1)

- ① - Toroid cover for perfect insulation, with built-in spacers to maintain creepage distance between windings.
- ② - Precision balance of inductance between windings to prevent core saturation at full load.
- ③ - Only capacitors that comply with VDE 0565-1 are used.
- ④ - Low leakage current.
- ⑤ - Both crimped and soldered connections.
- ⑥ - Anti-rotation terminals to prevent open connections.
- ⑦ - Corrosion-proof case.

### 4. Quality Control

- 100% tested for Hipot, leakage current, and insertion loss.
- Less than 200 parts-per-million (ppm) defect rate.

### 5. Availability

Stock of standard items are available for immediate shipment to customers and distributors throughout the world.

### 6. Price

Qualtek filters are very competitively priced due to highly automated lines and cost-saving designs.

### 7. Custom Design and Testing Services

Qualtek filters are designed and tested in engineering labs and shield room facilities. These facilities allow us to design and fabricate custom filters to meet special requirements not met by standard filters and to test customers' equipment for compliance to FCC, VDE and VCCI conducted emission requirements.

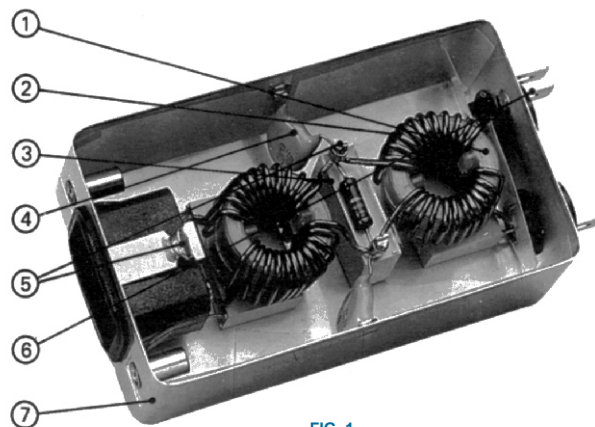


FIG. 1

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