

FOKR2.GuideInfo - ELECTROMAGNETIC INTERFERENCE APPLIANCE FILTERS - COMPONENT

Electromagnetic Interference Appliance Filters - Component

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UL.

GENERAL

This category covers passive appliance filters used to attenuate unwanted radio-frequency signals (such as noise or interference) generated from electromagnetic sources for which safety tests are appropriate. These filters are intended to be connected to a nominal voltage not exceeding 1,000 V ac, with a nominal frequency not exceeding 400 Hz, or 1,500 V dc.

Appliance filters include the following:

- Single- and multi-channel filters within one enclosure or which are built on a printed circuit board.
- Filters constructed of capacitive elements where the inductance is inherent in the construction.
- Filters constructed of inductive elements where the capacitance is inherent in the construction.

Filters can also include other components such as resistors and/or varistors or similar components.

CONDITIONS OF ACCEPTABILITY

Unless specified otherwise in the individual Reports, consideration is to be given to the following Conditions of Acceptability when these components are employed in the end-use equipment:


1. Leakage current shall be measured to determine compliance with the end-use-product requirements.
2. An enclosure shall be provided in compliance with the applicable end-use-product requirements.
3. Electrical spacings from uninsulated parts and the enclosure shall comply with the requirements of the end-use product.
4. Electrical terminals have not been investigated as field-wiring terminals.
5. Suitability of the grounding lead termination shall be determined in the end-use product.

Additional Conditions of Acceptability may be included in the Report available from the manufacturer.

REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/UL 60939-3, "Passive Filter Units for Electromagnetic Interference Suppression - Part 3: Passive Filter Units for Which Safety Tests are Appropriate."

UL MARKING

Components Recognized under UL's Component Recognition Program are identified by markings consisting of the Recognized company's identification and catalog, model, or other product designation. In addition, components produced under the UL Component Recognition Program will also bear the Recognized Component Mark .

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