



FOKY2.GuideInfo - ELECTROMAGNETIC INTERFERENCE FILTERS - COMPONENT

Electromagnetic Interference 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.

USE

This category covers electromagnetic interference (EMI) filters factory installed in equipment connected to 1000 V, 50 - 60 Hz or 1500 V, dc or lower potential circuits. These filters are used to attenuate unwanted radio-frequency signals (such as noise or interference) generated from electromagnetic sources. These filters consist of capacitors and inductors used alone or in combination with each other, and may be provided with resistors.

Included in this category are filters installed in medical and dental equipment, office appliances and business equipment, data processing equipment, and household appliances such as mixers, vacuum cleaners, hand tools, and the like.

This category does not cover surge-protective devices for repeated limiting of voltage surges on power circuits investigated to ANSI/UL 1449, "Surge Protective Devices."

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 specified in the individual Reports.

REQUIREMENTS

The basic standard used to investigate products in this category is ANSI/UL 1283, "Electromagnetic Interference Filters."

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