

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20150119-E48570  
**Report Reference** E48570-19990428  
**Issue Date** 2015-JANUARY-19

**Issued to:** CORCOM, DIV OF TYCO ELECTRONICS CORP  
620 S BUTTERFIELD RD  
MUNDELEIN IL 60060

**This is to certify that  
representative samples of**

COMPONENT - ELECTROMAGNETIC INTERFERENCE  
FILTERS

Electromagnetic Interference Filter, Models 6FC10,  
12FC10, 16FC10, 25FC10, 36FC10 and 50FC10.

Have been investigated by UL in accordance with the  
Standard(s) indicated on this Certificate.

**Standard(s) for Safety:** UL 1283 - Standard for Electromagnetic Interference Filters  
**Additional Information:** See the UL Online Certifications Directory at  
[www.ul.com/database](http://www.ul.com/database) for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's  
Certification and Follow-Up Service.

Recognized components 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 LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Assistant Chief Engineer, Global Inspection and Field Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please  
contact a local UL Customer Service Representative at [www.ul.com/contactus](http://www.ul.com/contactus)



## DESCRIPTION

## PRODUCT COVERED:

USR - Component - Electromagnetic Interference Filter, Models 6FC10, 12FC10, 16FC10, 25FC10, 36FC10 and 50FC10.

## GENERAL:

These devices are Electromagnetic Interference (EMI) Filters intended for incorporation in appliances or similar equipment. They are provided with metal housing and terminals for factory wiring. The current detailed below is the maximum rated at a maximum ambient temperature rating.

## ELECTRICAL RATINGS:

Model No.	Voltage, Vac	Frequency, Hz	Phases	Current	Maximum Ambient Temperature, °C
6FC10	125/250	50-60	1	6	25
12FC10	125/250	50-60	1	12	25
16FC10	125/250	50-60	1	16	25
25FC10	125/250	50-60	1	25	25
36FC10	125/250	50-60	1	36	25
50FC10	125/250	50-60	1	50	25

ENGINEERING CONSIDERATIONS (NOT FOR INSPECTOR USE):

USR indicates the filters have been evaluated to the Standard for Electromagnetic Interference Filters, UL 1283, Fifth Edition.

## CONDITIONS OF ACCEPTABILITY:

General - The components covered by this Report are Component Appliance Electromagnetic Interference Filters intended to be used in the end-use product where the acceptability of the combination with the end-use product has been determined by Underwriters Laboratories, Inc. The following items should be considered in the end use product engineering evaluation.

1. The filters shall not be used in circuits supplied from a voltage source with potentials to ground and between lines greater than 250 V ac.

2. A suitable enclosure shall be provided for the filters.

3. The filters have been investigated only in accordance with the requirements for appliance filters as specified in UL1283. The connections to the filters shall be made at the end-use product factory.

4. The filters have been investigated only for Class 105 insulation systems on windings.

5. The suitability of the grounding of the filters in the end-use product shall be evaluated.

6. Equipment leakage current in the grounding conductor should be measured to determine compliance with the end-use standard.

8. The filter enclosure temperatures shall be measured in the end-use product. Note: During the temperature test, the following enclosure temperatures were measured in the noted ambient.

<u>Model</u>	<u>Ambient, deg C</u>	<u>Enclosure Temperature, deg. C</u>
6FC10	24.0	44.0
12FC10	30.0	60.0
16FC10	30.0	69.0
25FC10	39.0	60.0
36FC10	25.0	67.0
50FC10	-	42.0

9. The terminals have not been investigated for field wiring.

10. **The Abnormal Operation Test was not conducted. The need for this device to comply with this requirement must be considered in the end-use application.**