# FN2010N-30-08 ✔ ACTIVE

Schaffner | Schaffner FN2010

TE Internal #: 817046-SF

30 A Single Phase Filter, Threaded Stud Input, Threaded Stud Output, 250 VAC, Schaffner FN2010, Single Phase Filters

View on TE.com >

EMI & EMC Solutions > EMC Filters > Power Line Filters > Single Phase Filters >

Standard Performance Single Phase Filters FN2010, General Purpose AC/DC EMC/RFI Filter



Current Rating: **30 A**

Input Termination Type: **Threaded Stud**

Output Termination Type: **Threaded Stud**

Leakage Current (Max) (120VAC, 60Hz): **4.52 mA**

Leakage Current (Max) (250VAC, 50Hz): **7.23 mA**

All Standard Performance Single Phase Filters FN2010, General Purpose AC/DC EMC/RFI Filter (56)

## Features

### Product Type Features

| | |
|---|---|
| Filtering Requirements | Unfiltered |
| Input Termination Type | Threaded Stud |
| Output Termination Type | Threaded Stud |

### Electrical Characteristics

| | |
|---|---|
| Capacitance Cy1 | 100 |
| Inductance L1 | .7 µH |
| Capacitance Cx1 | .47 |
| Overvoltage Category | II |
| Current Rating | 30 A |
| Leakage Current (Max) (120VAC, 60Hz) | 4.52 mA |
| Leakage Current (Max) (250VAC, 50Hz) | 7.23 mA |
| Operating Voltage | 250 VAC |

### Body Features

| | |
|---|---|
| Product Weight | .4 kg[.882 lb] |

### Mechanical Attachment

| | |
|---|---|
| Product Mount Type | Chassis Mount |

### Dimensions

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|---|---|
| Product Width | 56 mm[2.2 in] |
| Product Length | 94 mm[3.7 in] |
| Product Height | 45.4 mm[1.78 in] |

### Usage Conditions

| | |
|---|---|
| Operating Temperature Range | -25 – 100 °C[-13 – 212 °F] |

### Operation/Application

| | |
|---|---|
| Cooling Method | Natural Convection |
| Operating Altitude (Max) | 2000 m |

### Industry Standards

| | |
|---|---|
| IP Rating | IP00 |
| UL Flammability Rating | UL 94V-0 |
| Pollution Degree | PD2 |
| Certified To | CSA 22.2 No. 8 1986, IEC/EN 60939, UL 1283 |

## Product Compliance

For compliance documentation, visit the product page on TE.com>

| | |
|---|---|
| EU RoHS Directive 2011/65/EU | Compliant with Exemptions |
| EU ELV Directive 2000/53/EC | Not Yet Reviewed |
| China RoHS 2 Directive MIIT Order No 32, 2016 | 未针对中国 RoHS 符合性进行审核 Not reviewed for China RoHS compliance |
| EU REACH Regulation (EC) No. 1907/2006 | Current ECHA Candidate List: JUNE 2025 (250)<br>Candidate List Declared Against: JUNE 2025 (250)<br>Does not contain REACH SVHC |
| Halogen Content | Not Yet Reviewed for halogen content |
| Solder Process Capability | Not reviewed for solder process capability |

Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked.Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits

as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles'(Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## Compatible Parts



TE Part # CAT-P97-F2010
Standard Performance Single Phase Filters FN2010, General Purpose AC /DC EMC/RFI Filter

## Also in the Series | Schaffner FN2010



Medical Single Phase Filters(56)

Single Phase Filters(56)

## Documents

### CAD Files

3D PDF

3D

Customer View Model

ENG_CVM_CVM_817046-SF_G.3d_igs.zip

English

Customer View Model

ENG_CVM_CVM_817046-SF_G.2d_dxf.zip

English

Customer View Model

ENG_CVM_CVM_817046-SF_G.3d_stp.zip

English

By downloading the CAD file I accept and agree to the Terms and Conditions of use.

### Datasheets & Catalog Pages

Standard Performance Single-Phase Filters FN2010

English

## Agency Approvals

CB SE-107475

English