



Schaffner | Schaffner FN2070

TE Internal #: 800785-SF

10 A Single Phase Filter, FASTON Input, FASTON Output, 250

VAC, Schaffner FN2070, Single Phase Filters

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High Performance Single Phase Filters FN2070, Multi stage Performance AC/DC EMC/RFI Filter



Current Rating: **10 A**

Input Termination Type: **FASTON**

Output Termination Type: **FASTON**

Leakage Current (Max) (120VAC, 60Hz): **.04 mA**

Leakage Current (Max) (250VAC, 50Hz): **.07 mA**

[All High Performance Single Phase Filters FN2070, Multi stage Performance AC/DC EMC/RFI Filter \(49\)](#)

## Features

### Product Type Features

|                         |            |
|-------------------------|------------|
| Filtering Requirements  | Unfiltered |
| Input Termination Type  | FASTON     |
| Output Termination Type | FASTON     |

### Electrical Characteristics

|                                      |             |
|--------------------------------------|-------------|
| Capacitance Cy1                      | .47         |
| Inductance L1                        | 4.5 $\mu$ H |
| Capacitance Cx1                      | 1           |
| Overvoltage Category                 | II          |
| Current Rating                       | 10 A        |
| Leakage Current (Max) (120VAC, 60Hz) | .04 mA      |
| Leakage Current (Max) (250VAC, 50Hz) | .07 mA      |
| Operating Voltage                    | 250 VAC     |

### Body Features

|                |                   |
|----------------|-------------------|
| Product Weight | .583 kg[1.286 lb] |
|----------------|-------------------|

### Mechanical Attachment

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



**Dimensions**

|                |                   |
|----------------|-------------------|
| Product Width  | 56 mm[2.2 in]     |
| Product Length | 130.5 mm[5.13 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

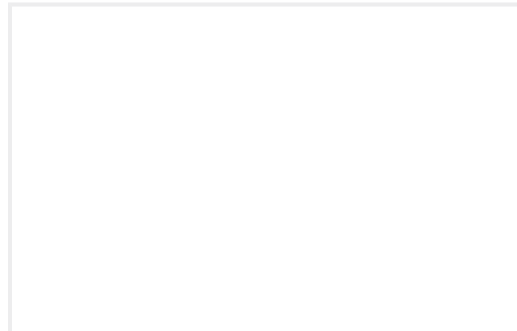


TE Part # CAT-P97-F2070  
 High Performance Single Phase Filters  
 FN2070, Multi stage Performance AC  
 /DC EMC/RFI Filter

## Also in the Series | Schaffner FN2070



Medical Single Phase Filters(49)



Single Phase Filters(49)

## Customers Also Bought



TE Part #816518-SF  
 RN122-4-02-3M3



TE Part #818021-SF  
 FN3288-63-53-C26-R65



TE Part #801797-SF  
 FN7510-100-M8



TE Part #CAT-PF6-LO  
 IL 13, IL 13 P, IL 19



## Documents

### CAD Files

Customer View Model

[ENG\\_CVM\\_CVM\\_800785-SF\\_E.2d\\_dxf.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_800785-SF\\_E.3d\\_igs.zip](#)

English

Customer View Model

[ENG\\_CVM\\_CVM\\_800785-SF\\_E.3d\\_stp.zip](#)

English

**3D PDF**

3D

By downloading the CAD file I accept and agree to the [Terms and Conditions](#) of use.

### Datasheets & Catalog Pages

[High Performance Single-Phase Filters FN2070](#)

English

### Agency Approvals

[CB SE-107475](#)

English