FN2090-10-07 ✔ ACTIVE

Schaffner | Schaffner FN2090

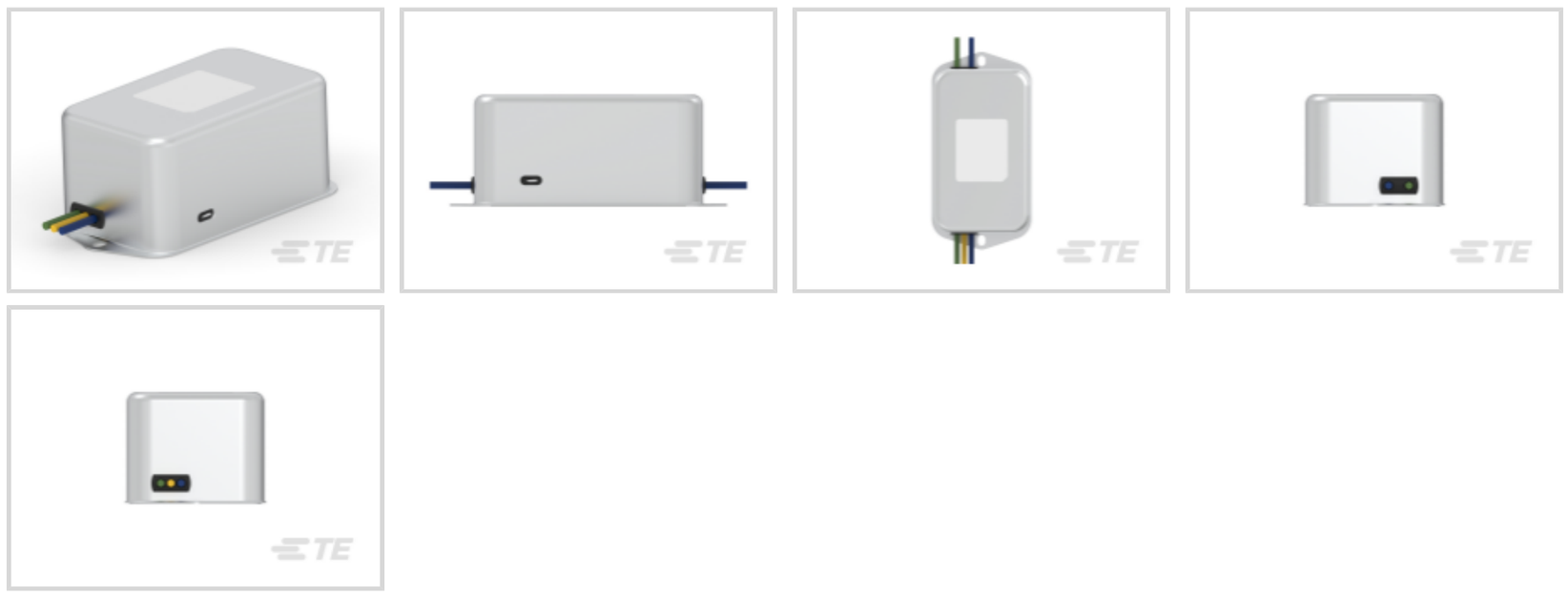
TE Internal #: 804176-SF

10 A Single Phase Filter, Litz Wire Input, Litz Wire Output, 250 VAC, Schaffner FN2090, Single Phase Filters

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

Very High Performance, FN2090, Multi stage AC/DC EMC/RFI Filter with Excellent Attenuation Performance



Current Rating: **10 A**

Input Termination Type: **Litz Wire**

Output Termination Type: **Litz Wire**

Leakage Current (Max) (120VAC, 60Hz): **.35 mA**

Leakage Current (Max) (250VAC, 50Hz): **.61 mA**

All Very High Performance, FN2090, Multi stage AC/DC EMC/RFI Filter with Excellent Attenuation Performance (88)

Features

Product Type Features

Filtering Requirements	Unfiltered
Input Termination Type	Litz Wire
Output Termination Type	Litz Wire

Electrical Characteristics

Capacitance Cy1	3.3
Inductance L1	8 µH
Capacitance Cx1	.47
Overvoltage Category	II
Current Rating	10 A
Leakage Current (Max) (120VAC, 60Hz)	.35 mA
Leakage Current (Max) (250VAC, 50Hz)	.61 mA
Operating Voltage	250 VAC

Body Features

Product Weight	.4 kg[.882 lb]

Mechanical Attachment

Product Mount Type	Chassis Mount

Dimensions

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) Candidate List Declared Against: JUNE 2025 (250) SVHC > Threshold: 1-BUTANESULFONIC ACID, 1,1,2,2,3,3,4,4,4-NONAFLUORO-, POTASSIUM SALT (1:1) (.6% in Component Part) Article Safe Usage Statements:

	Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Recycle if possible and dispose of the article by following all applicable governmental regulations relevant to your geographic location.
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-F2090
Very High Performance, FN2090, Multi stage AC/DC EMC/RFI Filter with Excellent Attenuation Performance

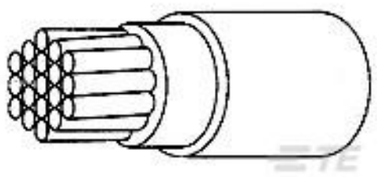
Also in the Series | Schaffner FN2090



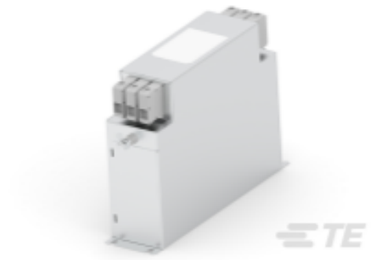
Medical Single Phase Filters(88)

Single Phase Filters(88)

Customers Also Bought



TE Part #7908833001
99M0111-24-9



TE Part #817999-SF
FN3288-63-53-C35-R65



TE Part #CAT-P97-F2090
Very High Performance, FN2090, Multi stage AC/DC EMC/RFI Filter with Excellent Attenuation Performance



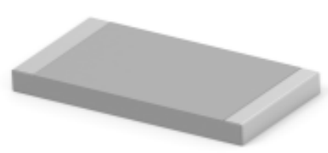
TE Part #40955
RING 20-16 AWG .0295 X .390 TPBR



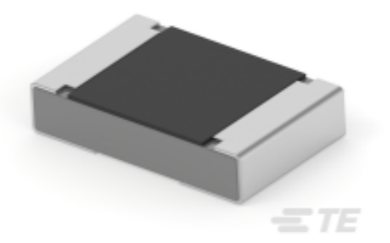
TE Part #1676146-2
RN 0805 105K 0.1% 10PPM 1KRL



TE Part #5-1879338-6
CPF 0603 100K 1% 50PPM 1K RL



TE Part #2-2176331-3
CRGP 2512 680R 1%



TE Part #1-2176482-3
RA73F 2A 68R1 0.1% 5K RL



TE Part #1-2308341-1
FULL METAL HOODS SIZE 2

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_804176-SF_D.3d_igs.zip
English

Customer View Model
ENG_CVM_CVM_804176-SF_D.2d_dxf.zip
English

3D PDF
3D

Customer View Model
ENG_CVM_CVM_804176-SF_D.3d_stp.zip
English

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

Datasheets & Catalog Pages

Very High Performance Single-Phase Filters FN2090
English

Agency Approvals

CB SE-82560

English