FN2500-10-103-C13 ✔ ACTIVE

Schaffner | Schaffner FN2500

TE Internal #: 821766-SF

10 A Single Phase Filter, Terminal Block Input, Terminal Block Output, 277 VAC, Schaffner FN2500, Single Phase Filters

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

Single Phase Filters FN2500, Low Profile High Performance EMC/RFI Filter



Current Rating: **10 A**

Input Termination Type: **Terminal Block**

Output Termination Type: **Terminal Block**

Leakage Current (Max) (120VAC, 60Hz): **.45 mA**

Leakage Current (Max) (250VAC, 50Hz): **.87 mA**

All Single Phase Filters FN2500, Low Profile High Performance EMC/RFI Filter (25)

Features

Product Type Features

Filtering Requirements	Unfiltered
Input Termination Type	Terminal Block
Output Termination Type	Terminal Block

Electrical Characteristics

Capacitance Cy1	10
Inductance L1	8.3 µH
Capacitance Cx1	1
Overvoltage Category	II
Current Rating	10 A
Leakage Current (Max) (120VAC, 60Hz)	.45 mA
Leakage Current (Max) (250VAC, 50Hz)	.87 mA
Operating Voltage	277 VAC

Body Features

Product Weight	.26 kg[.574 lb]

Mechanical Attachment

Product Mount Type	Chassis Mount

Dimensions

Product Width	59 mm[2.32 in]
Product Length	97.7 mm[3.84 in]
Product Height	35 mm[1.37 in]

Usage Conditions

Operating Temperature Range	-40 – 100 °C[-40 – 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. 8-13, GB/T 15287, UL/IEC 60939-3

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	Compliant with Exemptions
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: Disodium octaborate (.44% in Component) **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 # 821765-SF
FN2500-10-08-C13

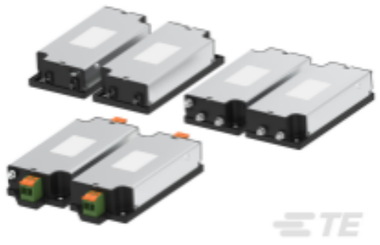
Also in the Series | Schaffner FN2500

Single Phase Filters(20)

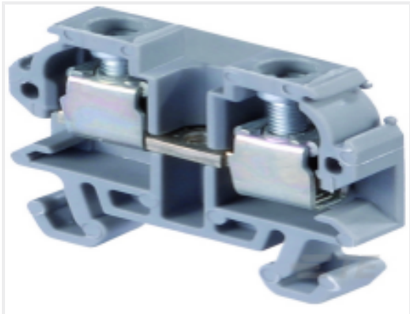
Customers Also Bought



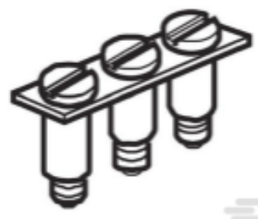
TE Part #1SNK900001R0000
BAM4



TE Part #CAT-P97-F2520
Very High Performance Single Phase Filters FN2520, Low Profile High Performance EMC/RFI Filter



TE Part #1SNA112086R0200
DR1.5/5.1



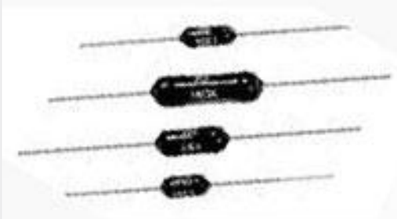
TE Part #1SNA176059R0600
BJM5-DR-10



TE Part #3-1241961-2
STD TIM HOUSING MKII 2POS



TE Part #2-1879208-5
CPF 0402 100R 0.1% 25PPM 1K RL



TE Part #8-1879665-8
H8 100K 0.1% 15PPM



TE Part #2176230-6
3522 2R2 5% 3W

TE Part #1SNA164716R2100
BA2

Documents

CAD Files

Customer View Model
ENG_CVM_CVM_821766-SF_E.2d_dxf.zip
English

Customer View Model
ENG_CVM_CVM_821766-SF_E.3d_igs.zip
English

3D PDF
3D

Customer View Model
ENG_CVM_CVM_821766-SF_E.3d_stp.zip
English

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

Datasheets & Catalog Pages

Single-Phase Filters FN2500
English

Agency Approvals

CB_Cert_SE-108631
English