FN2500-20-07-C13 ✔ ACTIVE

Schaffner | Schaffner FN2500

TE Internal #: 821788-SF

20 A Single Phase Filter, Litz Wire Input, Litz Wire Output, 277 VAC, Schaffner FN2500, Single Phase Filters

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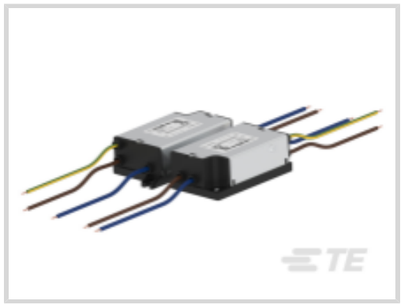
Single Phase Filters FN2500, Low Profile High Performance EMC/RFI Filter



Current Rating: **20 A**

Input Termination Type: **Litz Wire**

Output Termination Type: **Litz Wire**

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	Litz Wire
Output Termination Type	Litz Wire

Electrical Characteristics

Capacitance Cy1	10
Inductance L1	2.4 µH
Capacitance Cx1	1
Overvoltage Category	II
Current Rating	20 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
EU ELV Directive 2000/53/EC	Not Yet Reviewed
China RoHS 2 Directive MIIT Order No 32, 2016	有害物质含量符合标准要求 No Restricted Substance(s) Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JUNE 2025 (250) Not Yet Reviewed
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-F2500
Single Phase Filters FN2500, Low Profile High Performance EMC/RFI Filter

Also in the Series | Schaffner FN2500

Single Phase Filters(20)

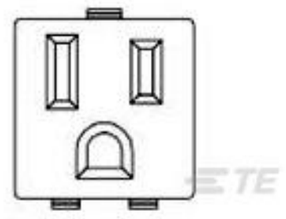
Customers Also Bought



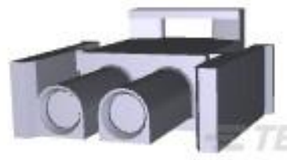
TE Part #234464-E
SRCA 1,27 10 M 1 SMD 137 E1 094 * GURT *



TE Part #214013-E
SRCA 1,27 6 M 1 SMD 137 E1 094 * GURT *



TE Part #3-213598-2
CNV OUTLET PCBOARD MNT,BLK LF



TE Part #350777-4
02P UMNL PLUG HSG UL94V0



TE Part #926898-1
UNIV.M-N-L.PIN



TE Part #5-6609929-0
PE0S0DH60=C2264

TE Part #1-1721260-1
OJ-SH-112LMH2

Documents

CAD Files

Customer View Model

ENG_CVM_CVM_821788-SF_E.2d_dxf.zip

English

3D PDF

3D

Customer View Model

ENG_CVM_CVM_821788-SF_E.3d_stp.zip

English

Customer View Model

ENG_CVM_CVM_821788-SF_E.3d_igs.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