Panasonic

Line Filters	Singapore Indonesia Japan								
Series: N (Type 15N, 18N, 20N) Series: High N (Type 17N, 19N, 21N) Series: V (Type 290, 450, 21V, 22V, 24V) Series: H (Type 200, 270, 400, 19H, 600) Series: F (Type 23F, 25F) Series: M (Type 11M, 14M, 16M)	Type 15N Type 17N	Series N, High N Figure 18N Type 19N Series V	Type 20N Type 21N						
Line filters suppress power supply conductive noise (ranging from low to high frequencies).	Type 290 Type	Series H	e 22V Type 24V						
	Type 270 Type 2	s 🇳 📢	De 19H Type 600						
	Series F		Series M						
	Туре 23F Тур	De 25F Type 11M	Type 14M Type 16M						

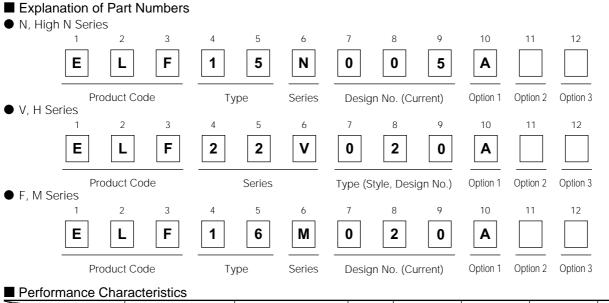
Features									
Series	Types	Features							
N	15N, 18N, 20N	Vertical Structure	 Suitable for high-density automatic insertion 						
High N	17N, 19N, 21N	Vertical Structure	 High inductance (same size with series N) 						
V	290, 450, 21V *, 22V *, 24V *	Vertical Structure	 30% smaller size than existing type (22 V, 19 H type) Event high frequency attenuation 						
Н	200, 270, 400, 19H, 600	Horizontal Structure	 Excellent high frequency attenuation Greatly reduced leakage flux 						
F	23F, 25F	Thin Structure	● 15 mm height max.						
М	11M, 14M, 16M	Small Structure	Small size and lightweight						

Type 21V is developed product of Type 650. Type 24V is Type 850
 ELF 21V/24V have the same specifications as ELF#650/#850 types.
 The new ELF19H/22V has the same specifications as ELF#600/#24V but is smaller and with a lower profile.

Recommended Applications

• Audio/Visual, Communications, Household and Lighting equipment and Power supplies

Panasonic



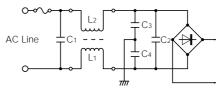
Series	V Serise			H Serise				F Series		M Series		N Serise		High N Series					
Item	290	450	21V/22V	24V	270	200	40	0 19H	600	23F	25F	11M/14M	16M	15N	18N 20N	17N	19N	21N	Notes
Operating Temperature	-20 °C to 105 °C (Partially 115 °C *) -20 °C to 115 °C *																		
Voltage	AC 250 Vrms max.																		
Current	Refer to "Examples"																		
Inductance	Refer to "Examples"																		
Dielectric Withstanding Voltage	AC 2 kV 1 min.																		
Temperature Rise	45 K max. (Non object of 21V, 19H, 22V type)										Resistance method								
Applicable Safety Standards	** Denki Yohin, UL, CSA, IEC																		

** Line filter is not certified, but meets the established safety standards for these entities.

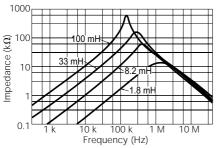
Connection Schematics



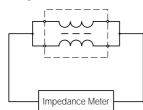
Circuit Example



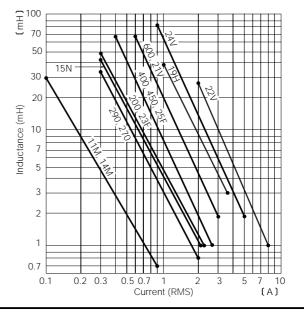
- Impedance and Attenuation Characteristics (Typical)
- Impedance Characteristics



Test Circuit Diagram



Current-Inductance (min.) Characteristics (Reference only)



Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use. Should a safety concern arise regarding this product, please be sure to contact us immediately.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Common Mode Filters / Chokes category:

Click to view products by Panasonic manufacturer:

Other Similar products are found below :

 74279408
 8109-RC
 8121-RC
 PE-62911NL
 PE-64683
 RD5122-6-9M6
 RD6137-6-7M5
 RD8147-16-3M0
 B82722A2801N020

 B82723A2802N001
 B82723J2802N001
 B82726S2183N020
 T8114NLT
 RD5122-10-6M0
 RD7147-25-0M7
 B82724J2502U040

 B82725S2103N004
 B82731M2401A033
 B82792C0506N365
 IND-0110
 CMC-03
 8117-RC
 PE-67531
 B82732R2601B30

 B82794C0686N465
 2752041447
 2752045447
 CMS3-11-R
 23Z109SMNL-T
 009968H
 014660H
 057966E
 CM9900-224
 CPFC74NP

 PS01H2A30
 CPFC805NP-100M05
 EXC-24CD121U
 EXC-24CD201U
 EXC-24CD600U
 B82723A2602N001
 B82730U3162A020

 B82730U3951A020
 DKFP-6248-0102
 DKFP-6248-02D5
 DKFP-6248-D504
 7448640395
 ELF-14M080E
 ELF-18D214
 ELF-18D217
 ELF-18D217

 B218
 ELF-18D227F
 ELF-18D227F
 State
 State