N Series

High Performance
RFI Power Line Filters
for Switching Power Supply

UL Recognized
CSA Certified
VDE Approved

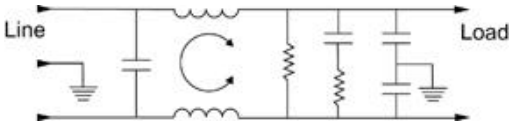
N Series

The N series RFI filters are designed to provide superior common-mode and differential-mode attenuation for most digital electronic equipment (particularly switching power supplies) over the frequency range of 10kHz to 30MHz.

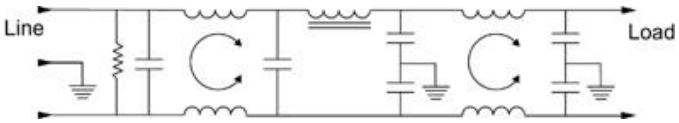
These filters are a cost-effective solution for very noisy equipment that must meet the conducted emission limits of the very stringent EN55022 Level B requirements, as well as FCC Part 15J, Class B.

Electrical Schematics

6VN1 Model



10VN1 Model



Resistor location for reference only.

6VN1

10VN1

Specifications

Maximum leakage current, each
line-to-ground @ 120 VAC 60 Hz: 1.2 mA
@ 250 VAC 50 Hz: 2.0 mA

Hipot rating (one minute):
line-to-ground 2250 VDC
line-to-line 1450 VDC

Operating frequency: 50/60 Hz

Rated voltage: 120/250 VAC

Rated current:	@120 VAC	@ 250 VAC
6VN1	6A	5A
10VN1	10A	8A

Minimum insertion loss in dB:
Line-to-ground In 50 ohm circuit

Current	Frequency-MHz								
Rating	.01	.05	.1	.15	.5	1	5	10	30
6A	6	20	28	34	58	54	53	53	43
10A	8	8	44	55	75	70	70	70	55

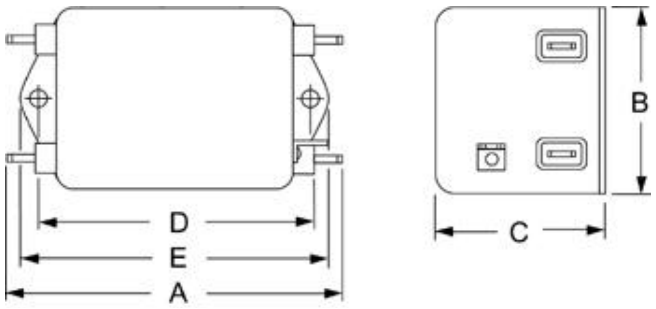
Line-to-line In 50 ohm circuit

Current	Frequency-MHz								
Rating	.01	.05	.1	.15	.5	1	5	10	30
6A	6	14	41	52	66	77	72	60	60
10A	6	6	35	45	72	70	72	75	70

Case Style

Metric shown in italics.

6VN1 & 10VN1



Typical dimensions

Terminals: .250 / *6.35* (5) Holes: .0 7 / *1.8* Dia.(4) Slot: .07 x .16 / *1.8 x 4.1* Mounting holes: .188 / *4.78* Dia.(2)

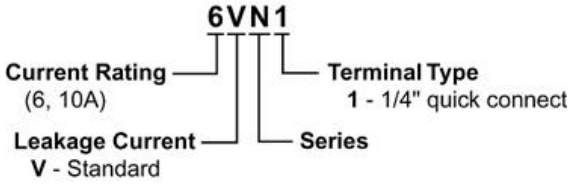
Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D ± .015 / ± .38	E (max)
6VN1	3.56 / *90.4*	2.15 / *54.6*	1.81 / *45.9*	2.938 / *74.63*	3.38 / *85.8*
10VN1	4.69 / *119.1*	2.27 / *57.7*	1.80 / *45.7*	4.063 / *103.2*	4.47 / *113.5*

Ordering Information

Consult your local Corcom sales representative for pricing.



Available Part Numbers

6VN1
10VN1