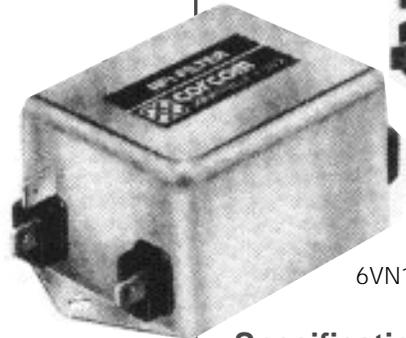


# N Series

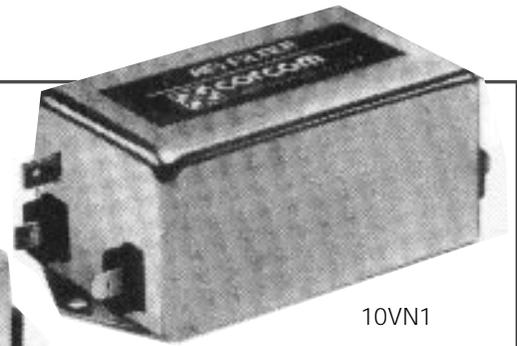
High Performance RFI Filters  
for Switching Power Supply



UL Recognized  
CSA Certified  
VDE Approved



6VN1



10VN1

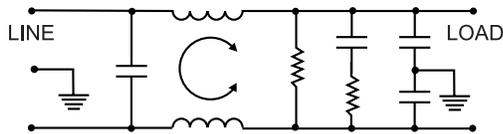
## N Series

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.

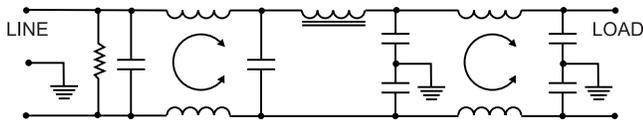
These filters are a cost-effective solution for very noisy equipment that must meet the conducted emission limits of the very stringent EN55022 Level B requirements, as well as FCC Part 15J, Class B.

## Electrical Schematics

### 6VN1 Model



### 10VN1 Model



Resistor location for reference only.

## 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

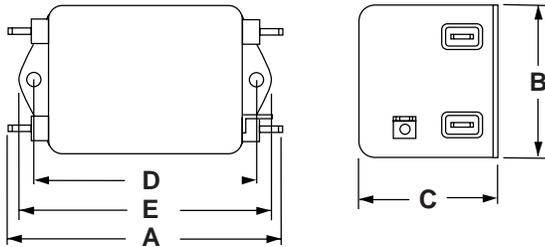
Minimum insertion loss in dB:  
In 50 ohm circuit

Frequency MHz	Line-to-Ground		Line-to-Line	
	6VN1	10VN1	6VN1	10VN1
.01	6	8	6	6
.05	20	8	14	6
.1	28	44	41	35
.15	34	55	52	45
.5	58	75	66	72
1	54	70	77	70
5	53	70	72	72
10	53	70	60	75
30	43	55	60	70

## Case Style

Metric shown in italics.

### 6VN1 & 10VN1



Typical dimensions

Terminals:  $\frac{.250}{6.35}$  (5) Holes:  $\frac{.07}{1.8}$  Dia. (4) Slot:  $\frac{.07 \times .16}{1.8 \times 4.1}$

Mounting holes:  $\frac{.188}{4.78}$  Dia. (2)

## Case Dimensions

Metric shown in italics.

Part No.	A (max)	B (max)	C (max)	D $\pm .015$ $\pm .38$	E (max)
6VN1	$\frac{3.56}{90.4}$	$\frac{2.15}{54.6}$	$\frac{1.81}{45.9}$	$\frac{2.938}{74.63}$	$\frac{3.38}{85.8}$
10VN1	$\frac{4.69}{119.1}$	$\frac{2.27}{57.7}$	$\frac{1.8}{45.7}$	$\frac{4.063}{103.2}$	$\frac{4.47}{113.5}$

## Pricing

Consult your local Corcom sales representative for pricing.

### Part No.

6VN1

10VN1