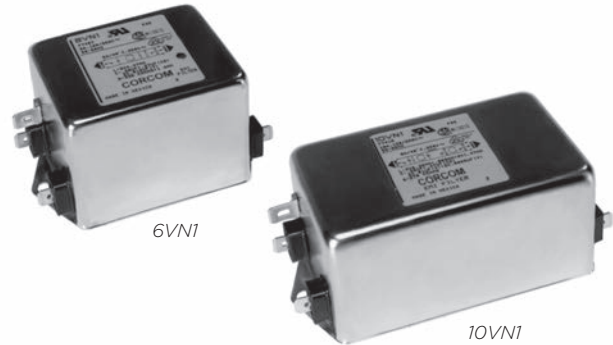


High Performance RFI Filters for Switching Power Supplies

N Series



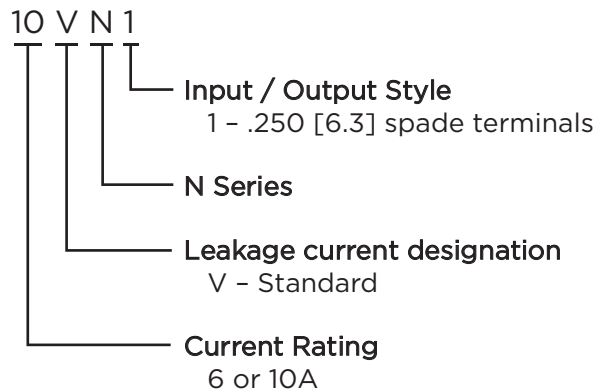
UL Recognized
CSA Certified
VDE Approved



N Series

- Superior attenuation for most digital electronic equipment over the frequency range of 10kHz to 30MHz
- Provides excellent common mode and differential mode performance
- Cost-effective solution to very noisy equipment that must meet conducted emission limits

Ordering Information



Available Part Numbers

6VN1	10VN1
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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

Rated Voltage (max): 250 VAC

Operating Frequency: 50/60 Hz

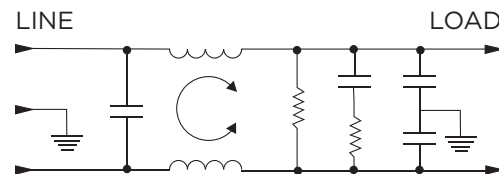
Rated Current: 6 to 10A

Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C

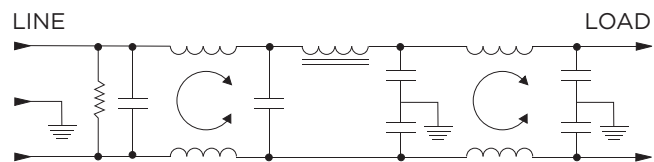
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-T_a)/45}$

Electrical Schematics

3VN



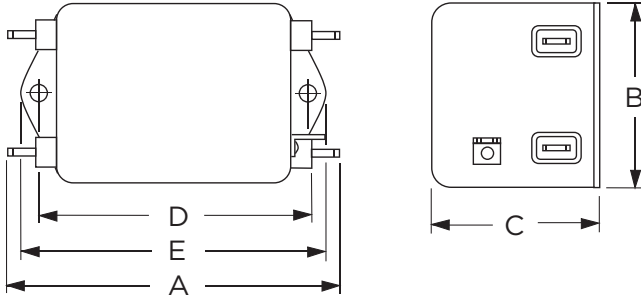
10VN



High Performance RFI Filters for Switching Power Supplies *(continued)*

N Series

Case Styles



Typical Dimensions:
 Line/Load Terminals (4): 250 [6.3] with .07 [1.8] Dia. hole
 Ground Terminal (1): 250 [6.3] with .07 x .16 [1.8 x 3.8] slot
 Mounting Holes (2): .188 [4.78] Dia.

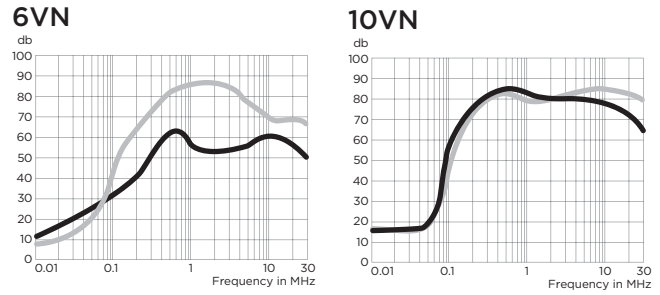
Case Dimensions

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

Performance Data

Typical Insertion Loss

Measured in closed 50 Ohm system



— Common Mode / Asymmetrical (L-G)
 — Differential Mode / Symmetrical (L-L)

Minimum Insertion Loss

Measured in closed 50 Ohm system

Common Mode / Asymmetrical (Line to Ground)

Current Rating	Frequency – MHz								
	.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

Differential Mode / Symmetrical (Line to Line)

Current Rating	Frequency – MHz								
	.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

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RFI Power Line Filters

单击下面可查看定价，库存，交付和生命周期等信息

[>>TE Connectivity\(泰科\)](#)