Catalog: 1654001

Issue Date: 08.2010

6 to 10A



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

Specifications

Rated Current:

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

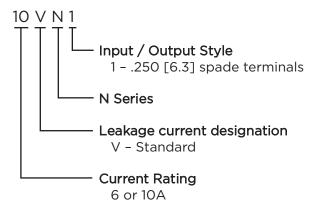
Rated Voltage (max): 250 VAC

Operating Frequency: 50/60 Hz

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: $I_o = I_r \sqrt{(85-T_a)/45}$

Ordering Information

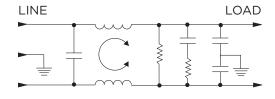


Available Part Numbers

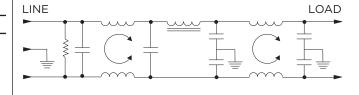
6VN1	10VN1

Electrical Schematics

3VN



10VN



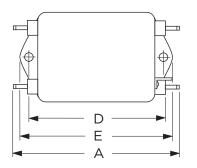


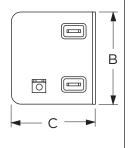
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High Performance RFI Filters for Switching Power Supplies (continued)

N Series

Case Styles





Typical Dimensions:

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

.188 [4.78] Dia.

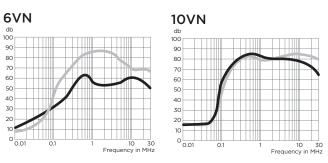
Case Dimensions

Part No.	А В		С	D	E	
Part No.	(max)	(max)	(max)	± .015 ± .38	(max)	
6VN1	3.56	2.15	1.81	2.938	3.38	
OVIVI	90.4	54.6	45.9	74.63	85.8	
10VN1	4.69	2.27	1.8	4.063	4.47	
IOVINI	119.1	57.7	45.7	103.2	113.5	

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	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

Differential Mode / Symmetrical (Line to Line)

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