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

10 V N 1

- 1 – Input / Output Style: 1 – .250 [6.3] spade terminals
- N – N Series
- V – Leakage current designation: V – Standard
- 10 – Current Rating: 6 or 10A

Available Part Numbers

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

Rated Voltage (max): 250 VAC

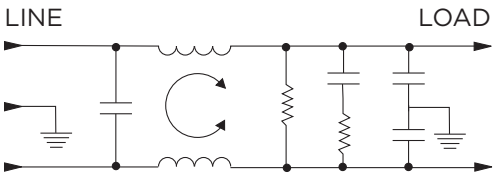
Operating Frequency: 50/60 Hz

Rated Current: 6 to 10A

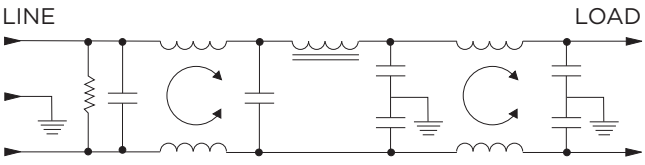
Operating Ambient Temperature Range (at rated current I_r): -10°C to +40°C
In an ambient temperature (T_a) higher than +40°C the maximum operating current (I_o) is calculated as follows: $I_o = I_r \sqrt{(85-Ta)/45}$

Electrical Schematics

3VN



10VN



Dimensions are in inches and millimeters unless otherwise specified. Values in italics are metric equivalents. Dimensions are shown for reference purposes only. Specifications subject to change.

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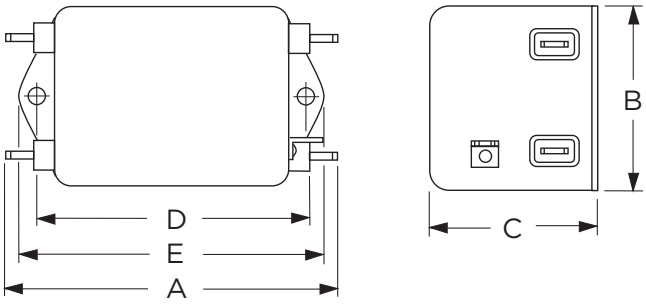
N Series

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

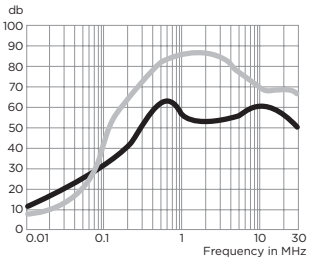
Part No.	A (max)	B (max)	C (max)	D ± .015 ± .38	E (max)
6VN1	**3.56** *90.4*	**2.15** *54.6*	**1.81** *45.9*	**2.938** *74.63*	**3.38** *85.8*
10VN1	**4.69** *119.1*	**2.27** *57.7*	**1.8** *45.7*	**4.063** *103.2*	**4.47** *113.5*

Performance Data

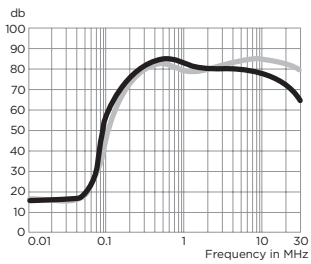
Typical Insertion Loss

Measured in closed 50 Ohm system

6VN



10VN



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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