

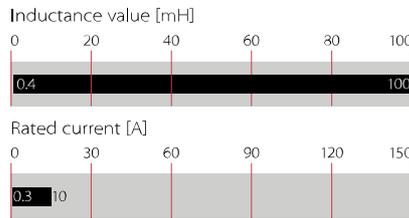
Current-compensated Chokes



- Rated currents from 0.3 to 10 A
- DC to 400 Hz frequency
- 100 kHz to 3 MHz common-mode resonance frequency
- Dual-choke configurations
- Multiple PCB-mounting options



Performance indicators



Approvals & Compliances



RN chokes are attenuating common-mode or asymmetric (P/N → E) interference signals, by being connected in series with the phase and neutral lines of an AC powerline input. Symmetrical components of the noise are also attenuated by the leakage inductance (stray inductance) of the windings. These chokes are typically used in conjunction with suppression capacitors.

Features and benefits

- High saturation resistance and excellent thermal behavior
- Through hole pin connections
- Dual-choke configuration
- Small compact design
- Multiple housing options
- Custom-specific versions are available on request
- Higher temperature versions
- Fully potted design usable for ruggedized applications

Technical specifications

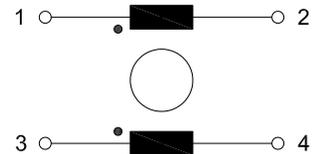
- Operating voltage**
- Operating frequency**
- Rated currents**
- Rated inductance**
- Stray inductance**
- Inductance reduction (DC bias with IN)**
- High potential test voltage winding-to-winding @ 25°C**
- winding-to-housing @ 25°C**
- MTBF @ 40°C/230 V (Mil-HB-217F)**
- Surge current @ 10 msec**
- Temperature range (operation and storage)**
- Flammability corresponding to**
- Design corresponding to Frequency (DC)**

- 300 VAC
- DC to 400 Hz
- 0.3 to 10 A @ rated ambient temperature
- 0.4 to 100 mH
- Typically 1% of L_N
- Less than 10% (25°C)
- 1500 VAC, 60 sec, guaranteed
- 1500 VAC, 2 sec, factory test
- 4000 VAC, 60 sec, guaranteed
- >5,000,000 hours
- 20 x I_N @ 25°C
- 40°C to 100°C (40/100/56)
- acc. IEC 60068-1
- Potting compound UL 94V-0
- Housing UL 94V-0
- Ringcore coating UL 94V-0
- UL 1283, IEC/EN 60938-1
- 1 kHz

Typical applications

- Switch-mode power applications
- Suppressing common-mode interference levels
- EMI input filters
- For suppression-equipment with no earth connection
- Phase-angle control circuits in combination with saturating chokes

Typical electrical schematic



Choke selection table

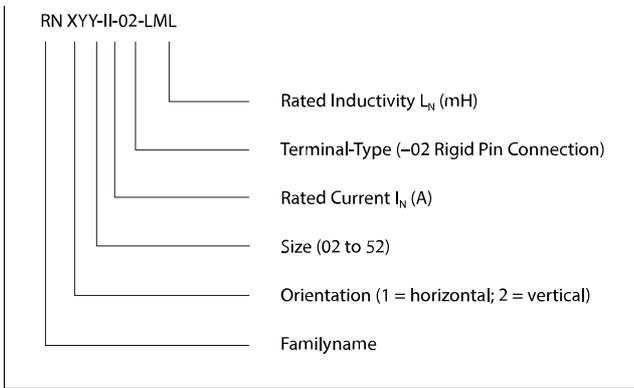
| Choke | Buy | Current (I _N) [A] | @ ambient temperature [°C] | Inductance (L _N) [mH] | Resistance (R _{DC}) [mOhm] | A [mm] | B [mm] | H [mm] | Weight (g) |
|------------------|-----|-------------------------------------|----------------------------------|---|--|-----------|-----------|-----------|---------------|
| RN102-0.3-02-22M | | 0.3 | 40 | 22.0 | 1300 | 10.0 | 10.0 | 9.0 | 4 |
| RN102-0.3-02-12M | | 0.3 | 40 | 12.0 | 1100 | 10.0 | 10.0 | 9.0 | 3 |
| RN102-0.6-02-4M4 | | 0.6 | 40 | 4.4 | 380 | 10.0 | 10.0 | 9.0 | 3 |
| RN102-1-02-3M0 | | 1.0 | 40 | 3.0 | 210 | 10.0 | 10.0 | 9.0 | 3 |
| RN102-1.5-02-1M6 | | 1.5 | 40 | 1.6 | 94 | 10.0 | 10.0 | 9.0 | 3 |
| RN102-2-02-1M1 | | 2.0 | 40 | 1.1 | 70 | 10.0 | 10.0 | 9.0 | 3 |
| RN112-0.4-02-39M | | 0.4 | 40 | 39.0 | 1500 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-0.4-02-27M | | 0.4 | 40 | 27.0 | 1400 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-0.5-02-27M | | 0.5 | 40 | 27.0 | 1200 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-0.5-02-18M | | 0.5 | 40 | 18.0 | 1100 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-0.5-02-15M | | 0.5 | 40 | 15.0 | 700 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-0.6-02-15M | | 0.6 | 40 | 15.0 | 490 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-0.8-02-10M | | 0.8 | 40 | 10.0 | 380 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-1.2-02-6M8 | | 1.2 | 40 | 6.8 | 250 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-1.5-02-3M3 | | 1.5 | 40 | 3.3 | 102 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-2-02-1M8 | | 2.0 | 40 | 1.8 | 74 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-2-02-1M0 | | 2.0 | 40 | 1.0 | 70 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-2.6-02-0M4 | | 2.6 | 40 | 0.4 | 40 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-3.6-02-0M4 | | 3.6 | 40 | 0.4 | 27 | 15.0 | 10.0 | 12.6 | 6 |
| RN112-4-02-0M7 | | 4.0 | 40 | 0.7 | 24 | 15.0 | 10.0 | 12.6 | 6 |
| RN114-0.3-02-47M | | 0.3 | 40 | 47.0 | 1700 | 20.1 | 12.5 | 13.2 | 10 |
| RN114-0.5-02-39M | | 0.5 | 40 | 39.0 | 830 | 20.1 | 12.5 | 13.2 | 11 |
| RN114-0.8-02-27M | | 0.8 | 40 | 27.0 | 500 | 20.1 | 12.5 | 13.2 | 11 |
| RN114-1-02-15M | | 1.0 | 40 | 15.0 | 370 | 20.1 | 12.5 | 13.2 | 10 |
| RN114-1.2-02-10M | | 1.2 | 40 | 10.0 | 195 | 20.1 | 12.5 | 13.2 | 10 |
| RN114-1.5-02-6M8 | | 1.5 | 40 | 6.8 | 123 | 20.1 | 12.5 | 13.2 | 11 |
| RN114-2-02-4M2 | | 2.0 | 40 | 4.2 | 100 | 20.1 | 12.5 | 13.2 | 11 |
| RN114-2.5-02-3M3 | | 2.5 | 40 | 3.3 | 72 | 20.1 | 12.5 | 13.2 | 11 |
| RN114-3-02-2M0 | | 3.0 | 40 | 2.0 | 52 | 20.1 | 12.5 | 13.2 | 10 |
| RN114-4-02-1M5 | | 4.0 | 40 | 1.5 | 34 | 20.1 | 12.5 | 13.2 | 11 |
| RN116-0.5-02-47M | | 0.5 | 60 | 47.0 | 960 | 20.1 | 12.5 | 13.2 | 11 |
| RN116-0.5-02-39M | | 0.5 | 60 | 39.0 | 920 | 20.1 | 12.5 | 13.2 | 11 |
| RN116-0.5-02-27M | | 0.5 | 60 | 27.0 | 790 | 20.1 | 12.5 | 13.2 | 11 |
| RN116-0.8-02-27M | | 0.8 | 60 | 27.0 | 370 | 20.1 | 12.5 | 13.2 | 13 |
| RN116-1-02-15M | | 1.0 | 60 | 15.0 | 260 | 20.1 | 12.5 | 13.2 | 12 |
| RN116-1-02-10M | | 1.0 | 60 | 10.0 | 210 | 20.1 | 12.5 | 13.2 | 11 |
| RN116-1.3-02-6M8 | | 1.3 | 60 | 6.8 | 140 | 20.1 | 12.5 | 13.2 | 12 |
| RN116-1.5-02-10M | | 1.5 | 60 | 10.0 | 148 | 20.1 | 12.5 | 13.2 | 12 |
| RN116-1.7-02-4M0 | | 1.7 | 60 | 4.0 | 87 | 20.1 | 12.5 | 13.2 | 12 |
| RN116-2-02-3M3 | | 2.0 | 60 | 3.3 | 70 | 20.1 | 12.5 | 13.2 | 12 |
| RN116-2-02-2M2 | | 2.0 | 60 | 2.2 | 66 | 20.1 | 12.5 | 13.2 | 11 |
| RN122-0.5-02-56M | | 0.5 | 40 | 56.0 | 1800 | 25.0 | 15.0 | 16.5 | 20 |
| RN122-0.6-02-47M | | 0.6 | 40 | 47.0 | 1300 | 25.0 | 15.0 | 16.5 | 20 |
| RN122-0.8-02-39M | | 0.8 | 40 | 39.0 | 1000 | 25.0 | 15.0 | 16.5 | 20 |
| RN122-1-02-18M | | 1.0 | 40 | 18.0 | 630 | 25.0 | 15.0 | 16.5 | 19 |
| RN122-1-02-10M | | 1.0 | 40 | 10.0 | 560 | 25.0 | 15.0 | 16.5 | 19 |
| RN122-1.5-02-10M | | 1.5 | 40 | 10.0 | 250 | 25.0 | 15.0 | 16.5 | 20 |
| RN122-2-02-6M8 | | 2.0 | 40 | 6.8 | 156 | 25.0 | 15.0 | 16.5 | 20 |
| RN122-2-02-5M0 | | 2.0 | 40 | 5.0 | 140 | 25.0 | 15.0 | 16.5 | 21 |
| RN122-2.5-02-5M6 | | 2.5 | 40 | 5.6 | 110 | 25.0 | 15.0 | 16.5 | 20 |
| RN122-3-02-4M5 | | 3.0 | 40 | 4.5 | 80 | 25.0 | 15.0 | 16.5 | 21 |
| RN122-4-02-3M3 | | 4.0 | 40 | 3.3 | 46 | 25.0 | 15.0 | 16.5 | 22 |
| RN122-4-02-1M8 | | 4.0 | 40 | 1.8 | 42 | 25.0 | 15.0 | 16.5 | 22 |

| Choke | Buy | Current (I _N) [A] | @ ambient temperature [°C] | Inductance (L _N) [mH] | Resistance (R _{DC}) [mOhm] | A [mm] | B [mm] | H [mm] | Weight (g) |
|-------------------|-----|-------------------------------------|----------------------------------|---|--|-----------|-----------|-----------|---------------|
| RN142-0.5-02-82M | | 0.5 | 40 | 82.0 | 2700 | 30.0 | 20.0 | 19.7 | 36 |
| RN142-1-02-33M | | 1.0 | 40 | 33.0 | 810 | 30.0 | 20.0 | 19.7 | 37 |
| RN142-1.4-02-27M | | 1.4 | 40 | 27.0 | 500 | 30.0 | 20.0 | 19.7 | 40 |
| RN142-2-02-6M8 | | 2.0 | 40 | 6.8 | 192 | 30.0 | 20.0 | 19.7 | 36 |
| RN142-4-02-3M3 | | 4.0 | 40 | 3.3 | 67 | 30.0 | 20.0 | 19.7 | 38 |
| RN142-6-02-1M8 | | 6.0 | 40 | 1.8 | 20 | 30.0 | 20.0 | 19.7 | 40 |
| RN143-0.5-02-100M | | 0.5 | 40 | 100.0 | 2900 | 30.0 | 20.0 | 19.7 | 36 |
| RN143-1-02-47M | | 1.0 | 40 | 47.0 | 890 | 30.0 | 20.0 | 19.7 | 38 |
| RN143-2-02-10M | | 2.0 | 40 | 10.0 | 240 | 30.0 | 20.0 | 19.7 | 42 |
| RN143-4-02-3M9 | | 4.0 | 40 | 3.9 | 59 | 30.0 | 20.0 | 19.7 | 39 |
| RN143-6-02-1M8 | | 6.0 | 40 | 1.8 | 20 | 30.0 | 20.0 | 19.7 | 42 |
| RN152-1-02-68M | | 1.0 | 40 | 68.0 | 1300 | 40.0 | 15.0 | 25.0 | 75 |
| RN152-2-02-18M | | 2.0 | 40 | 18.0 | 350 | 40.0 | 15.0 | 25.0 | 64 |
| RN152-4-02-6M8 | | 4.0 | 40 | 6.8 | 87 | 40.0 | 15.0 | 25.0 | 74 |
| RN152-6-02-3M9 | | 6.0 | 40 | 3.9 | 42 | 40.0 | 15.0 | 25.0 | 68 |
| RN152-8-02-2M7 | | 8.0 | 40 | 2.7 | 22 | 40.0 | 15.0 | 25.0 | 73 |
| RN152-10-02-1M8 | | 10.0 | 40 | 1.8 | 14 | 40.0 | 15.0 | 25.0 | 73 |
| RN202-0.3-02-22M | | 0.3 | 40 | 22.0 | 1300 | 5.1 | 15.2 | 13.5 | 4 |
| RN202-0.3-02-12M | | 0.3 | 40 | 12.0 | 1100 | 5.1 | 15.2 | 13.5 | 4 |
| RN202-0.6-02-4M4 | | 0.6 | 40 | 4.4 | 380 | 5.1 | 15.2 | 13.5 | 4 |
| RN202-1-02-3M0 | | 1.0 | 40 | 3.0 | 210 | 5.1 | 15.2 | 13.5 | 4 |
| RN202-1.5-02-1M6 | | 1.5 | 40 | 1.6 | 94 | 5.1 | 15.2 | 13.5 | 4 |
| RN202-2-02-1M1 | | 2.0 | 40 | 1.1 | 70 | 5.1 | 15.2 | 13.5 | 4 |
| RN204-0.3-02-22M | | 0.3 | 40 | 22.0 | 1300 | 7.6 | 10.0 | 14.3 | 3 |
| RN204-0.3-02-12M | | 0.3 | 40 | 12.0 | 960 | 7.6 | 10.0 | 14.3 | 3 |
| RN204-0.6-02-4M4 | | 0.6 | 40 | 4.4 | 350 | 7.6 | 10.0 | 14.3 | 3 |
| RN204-1-02-3M0 | | 1.0 | 40 | 3.0 | 192 | 7.6 | 10.0 | 14.3 | 3 |
| RN204-1.5-02-1M6 | | 1.5 | 40 | 1.6 | 96 | 7.6 | 10.0 | 14.3 | 3 |
| RN204-2-02-1M1 | | 2.0 | 40 | 1.1 | 57 | 7.6 | 10.0 | 14.3 | 3 |
| RN212-0.4-02-39M | | 0.4 | 40 | 39.0 | 1500 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-0.4-02-27M | | 0.4 | 40 | 27.0 | 1400 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-0.5-02-27M | | 0.5 | 40 | 27.0 | 1200 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-0.5-02-18M | | 0.5 | 40 | 18.0 | 1100 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-0.5-02-15M | | 0.5 | 40 | 15.0 | 700 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-0.6-02-15M | | 0.6 | 40 | 15.0 | 490 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-0.8-02-10M | | 0.8 | 40 | 10.0 | 380 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-1.2-02-6M8 | | 1.2 | 40 | 6.8 | 250 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-1.5-02-3M3 | | 1.5 | 40 | 3.3 | 102 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-2-02-1M8 | | 2.0 | 40 | 1.8 | 74 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-2-02-1M0 | | 2.0 | 40 | 1.0 | 70 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-2.6-02-0M4 | | 2.6 | 40 | 0.4 | 40 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-3.6-02-0M4 | | 3.6 | 40 | 0.4 | 27 | 10.0 | 15.0 | 20.0 | 8 |
| RN212-4-02-0M7 | | 4.0 | 40 | 0.7 | 24 | 10.0 | 15.0 | 20.0 | 8 |
| RN214-0.3-02-47M | | 0.3 | 40 | 47.0 | 1700 | 12.5 | 10.0 | 25.0 | 14 |
| RN214-0.5-02-56M | | 0.5 | 40 | 56.0 | 1700 | 12.5 | 10.0 | 25.0 | 15 |
| RN214-0.5-02-39M | | 0.5 | 40 | 39.0 | 830 | 12.5 | 10.0 | 25.0 | 14 |
| RN214-0.8-02-27M | | 0.8 | 40 | 27.0 | 500 | 12.5 | 10.0 | 25.0 | 15 |
| RN214-1-02-15M | | 1.0 | 40 | 15.0 | 370 | 12.5 | 10.0 | 25.0 | 14 |
| RN214-1.2-02-10M | | 1.2 | 40 | 10.0 | 195 | 12.5 | 10.0 | 25.0 | 15 |
| RN214-1.5-02-6M8 | | 1.5 | 40 | 6.8 | 123 | 12.5 | 10.0 | 25.0 | 15 |
| RN214-2-02-4M2 | | 2.0 | 40 | 4.2 | 100 | 12.5 | 10.0 | 25.0 | 14 |

| Choke | Buy | Current | @ ambient temperature | Inductance (L _N) | Resistance (R _{DC}) | A | B | H | Weight |
|-------|-----|---------|--------------------------|---------------------------------|----------------------------------|---|---|---|--------|
|-------|-----|---------|--------------------------|---------------------------------|----------------------------------|---|---|---|--------|

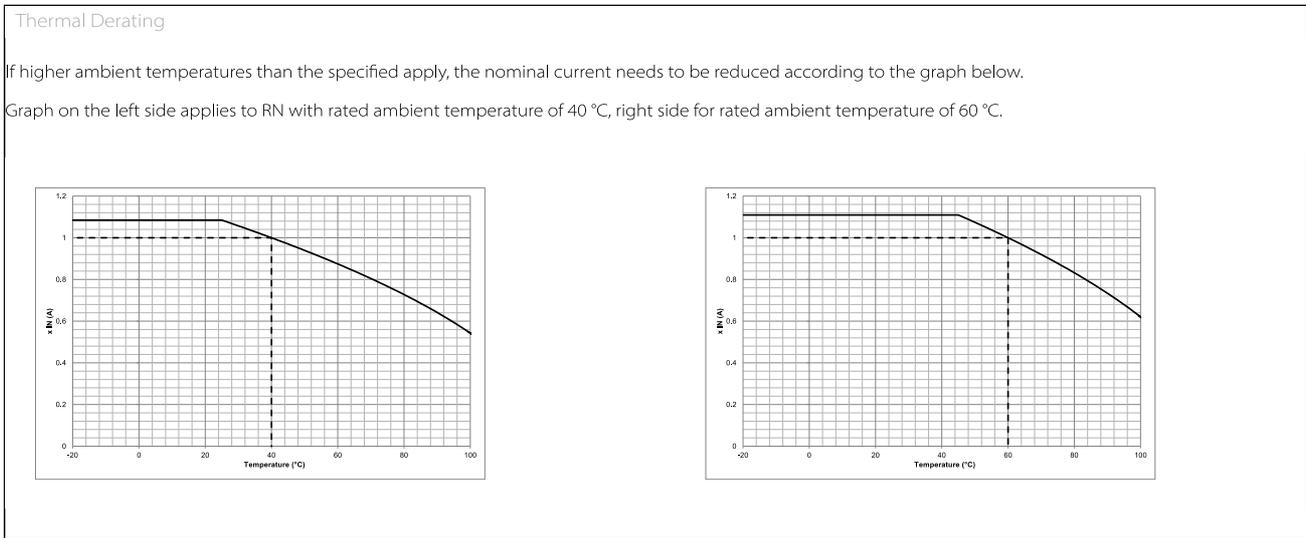
| | | (I _N) | | | | | | | |
|-------------------|---|-------------------|------|------|--------|------|------|------|-----|
| | | [A] | [°C] | [mH] | [mOhm] | [mm] | [mm] | [mm] | [g] |
| RN214-2-02-2M2 |  | 2.0 | 40 | 2.2 | 67 | 12.5 | 10.0 | 25.0 | 14 |
| RN214-2.5-02-3M3 |  | 2.5 | 40 | 3.3 | 72 | 12.5 | 10.0 | 25.0 | 15 |
| RN214-3-02-2M0 |  | 3.0 | 40 | 2.0 | 52 | 12.5 | 10.0 | 25.0 | 14 |
| RN214-4-02-1M5 |  | 4.0 | 40 | 1.5 | 34 | 12.5 | 10.0 | 25.0 | 15 |
| RN216-0.5-02-47M |  | 0.5 | 60 | 47.0 | 960 | 12.5 | 10.0 | 25.0 | 15 |
| RN216-0.5-02-39M |  | 0.5 | 60 | 39.0 | 920 | 12.5 | 10.0 | 25.0 | 15 |
| RN216-0.5-02-27M |  | 0.5 | 60 | 27.0 | 790 | 12.5 | 10.0 | 25.0 | 15 |
| RN216-0.8-02-27M |  | 0.8 | 60 | 27.0 | 370 | 12.5 | 10.0 | 25.0 | 16 |
| RN216-1-02-15M |  | 1.0 | 60 | 15.0 | 260 | 12.5 | 10.0 | 25.0 | 16 |
| RN216-1-02-10M |  | 1.0 | 60 | 10.0 | 210 | 12.5 | 10.0 | 25.0 | 15 |
| RN216-1.3-02-6M8 |  | 1.3 | 60 | 6.8 | 140 | 12.5 | 10.0 | 25.0 | 16 |
| RN216-1.5-02-10M |  | 1.5 | 60 | 10.0 | 148 | 12.5 | 10.0 | 25.0 | 16 |
| RN216-1.7-02-4M0 |  | 1.7 | 60 | 4.0 | 87 | 12.5 | 10.0 | 25.0 | 16 |
| RN216-2-02-3M3 |  | 2.0 | 60 | 3.3 | 70 | 12.5 | 10.0 | 25.0 | 16 |
| RN216-2-02-2M2 |  | 2.0 | 60 | 2.2 | 66 | 12.5 | 10.0 | 25.0 | 15 |
| RN218-0.4-02-100M |  | 0.4 | 40 | 100 | 2800 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-0.6-02-47M |  | 0.6 | 40 | 47.0 | 1200 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-0.7-02-39M |  | 0.7 | 40 | 39.0 | 1150 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-0.9-02-27M |  | 0.9 | 40 | 27.0 | 620 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-1-02-22M |  | 1.0 | 40 | 22.0 | 520 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-1.1-02-15M |  | 1.1 | 40 | 15.0 | 420 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-1.4-02-10M |  | 1.4 | 40 | 10.0 | 330 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-1.7-02-6M8 |  | 1.7 | 40 | 6.8 | 180 | 10.0 | 12.5 | 20.0 | 8 |
| RN218-2.2-02-3M3 |  | 2.2 | 40 | 3.3 | 100 | 10.0 | 12.5 | 20.0 | 8 |
| RN222-0.5-02-56M |  | 0.5 | 40 | 56.0 | 1800 | 15.0 | 12.5 | 29.3 | 27 |
| RN222-0.6-02-47M |  | 0.6 | 40 | 47.0 | 1300 | 15.0 | 12.5 | 29.3 | 26 |
| RN222-0.8-02-39M |  | 0.8 | 40 | 39.0 | 1000 | 15.0 | 12.5 | 29.3 | 27 |
| RN222-1-02-33M |  | 1.0 | 40 | 33.0 | 1300 | 15.0 | 12.5 | 29.3 | 29 |
| RN222-1-02-18M |  | 1.0 | 40 | 18.0 | 630 | 15.0 | 12.5 | 29.3 | 26 |
| RN222-1.5-02-10M |  | 1.5 | 40 | 10.0 | 250 | 15.0 | 12.5 | 29.3 | 26 |
| RN222-2-02-6M8 |  | 2.0 | 40 | 6.8 | 156 | 15.0 | 12.5 | 29.3 | 28 |
| RN222-2.5-02-5M6 |  | 2.5 | 40 | 5.6 | 110 | 15.0 | 12.5 | 29.3 | 27 |
| RN222-3-02-4M5 |  | 3.0 | 40 | 4.5 | 80 | 15.0 | 12.5 | 29.3 | 28 |
| RN222-4-02-3M3 |  | 4.0 | 40 | 3.3 | 46 | 15.0 | 12.5 | 29.3 | 28 |
| RN232-0.6-02-47M |  | 0.6 | 40 | 47.0 | 1300 | 15.0 | 12.5 | 34.3 | 37 |
| RN232-1-02-18M |  | 1.0 | 40 | 18.0 | 390 | 15.0 | 12.5 | 34.3 | 38 |
| RN232-1.6-02-10M |  | 1.6 | 40 | 10.0 | 170 | 15.0 | 12.5 | 34.3 | 38 |
| RN232-2.5-02-5M6 |  | 2.5 | 40 | 5.6 | 86 | 15.0 | 12.5 | 34.3 | 38 |
| RN232-4-02-3M3 |  | 4.0 | 40 | 3.3 | 54 | 15.0 | 12.5 | 34.3 | 38 |
| RN242-0.5-02-82M |  | 0.5 | 40 | 82.0 | 2700 | 15.0 | 12.5 | 34.3 | 37 |
| RN242-1-02-33M |  | 1.0 | 40 | 33.0 | 810 | 15.0 | 12.5 | 34.3 | 38 |
| RN242-1.4-02-27M |  | 1.4 | 40 | 27.0 | 500 | 15.0 | 12.5 | 34.3 | 38 |
| RN242-2-02-6M8 |  | 2.0 | 40 | 6.8 | 192 | 15.0 | 12.5 | 34.3 | 37 |
| RN242-4-02-3M3 |  | 4.0 | 40 | 3.3 | 67 | 15.0 | 12.5 | 34.3 | 38 |
| RN242-6-02-1M8 |  | 6.0 | 40 | 1.8 | 20 | 15.0 | 12.5 | 34.3 | 41 |

Test conditions: Measuring frequency: 10 kHz; 50 mV; Inductance tolerance: +50%, -30%; Resistance tolerance: ±15% @ 25°C; Electrical characteristics @ 25°C: ±2°C;
 Stray Inductance measurement between pin 1 and 2 (pin 3 and 4 shorted)
 For mechanical tolerances refer to mechanical data section.



Distribution inventory

Up-to-date inventory levels for global distributors is available at <https://products.schaffner.com/stock>

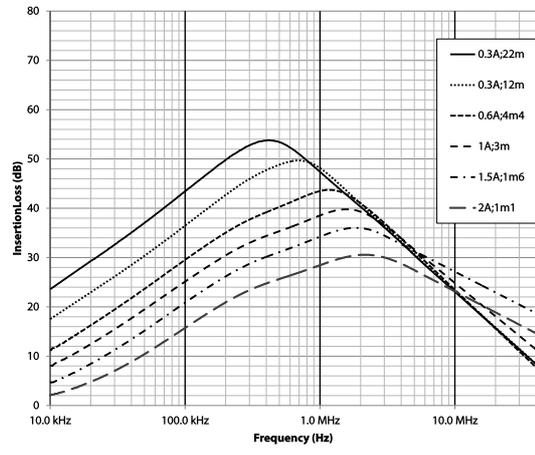
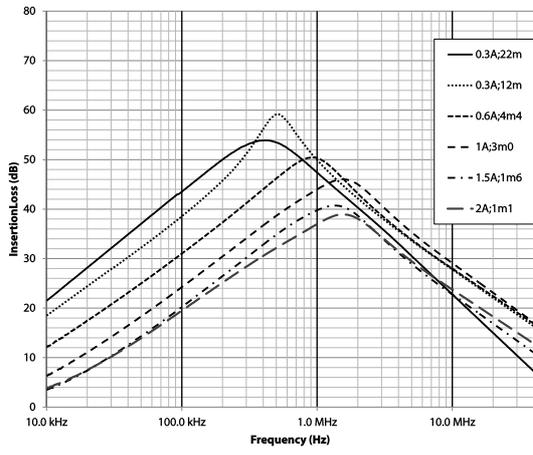


Typical attenuation/resonance frequency characteristics

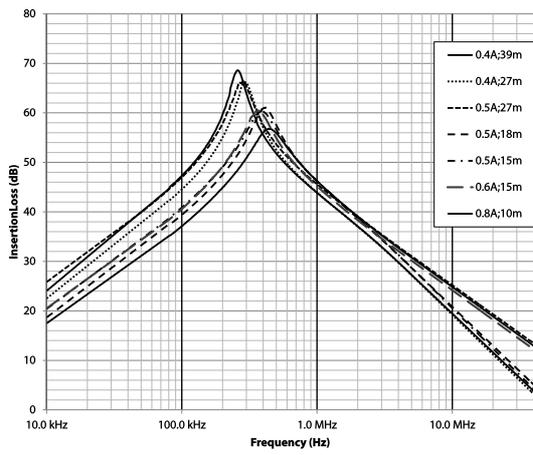
Per CISPR 17; 50 Ω/50 Ω asym
X can be exchanged with either 1 or 2 for different housing configuration, attenuation is similar

RN 102, RN 202

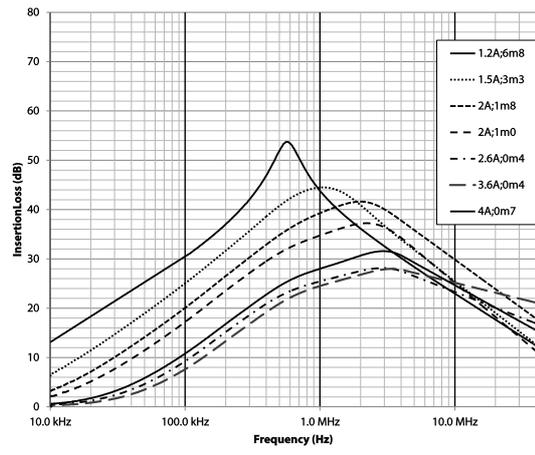
RN 204



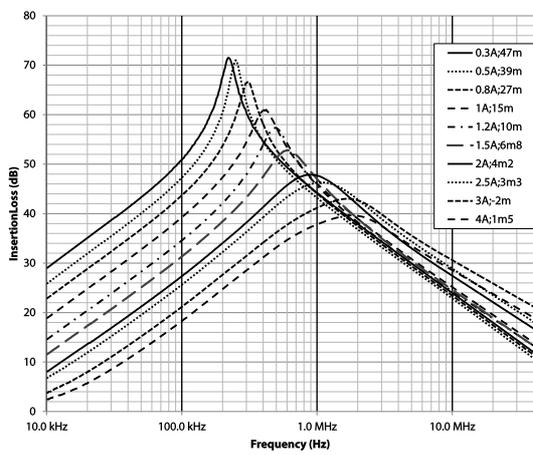
RN 112, RN 212 (<math>I < 1 A</math>)



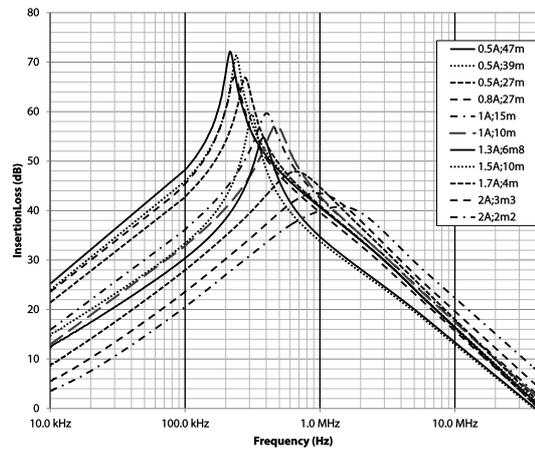
RN 112, RN 212 ($I > 1 A$)



RN 114, RN 214

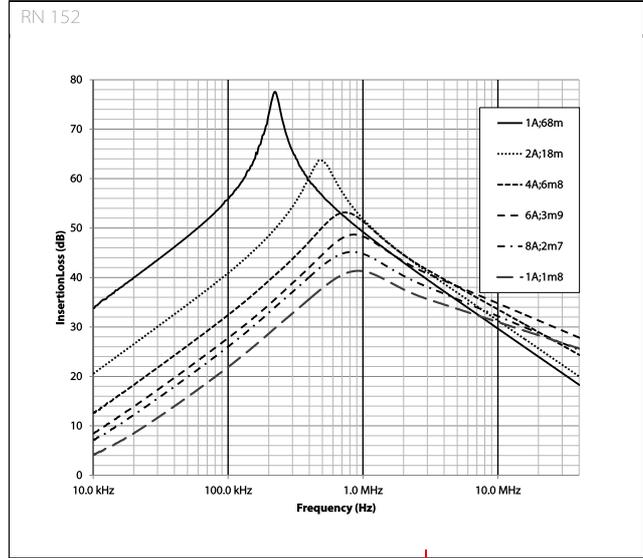
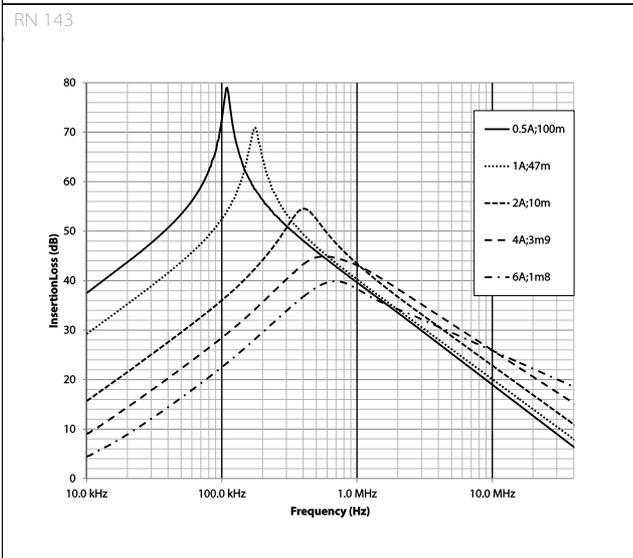
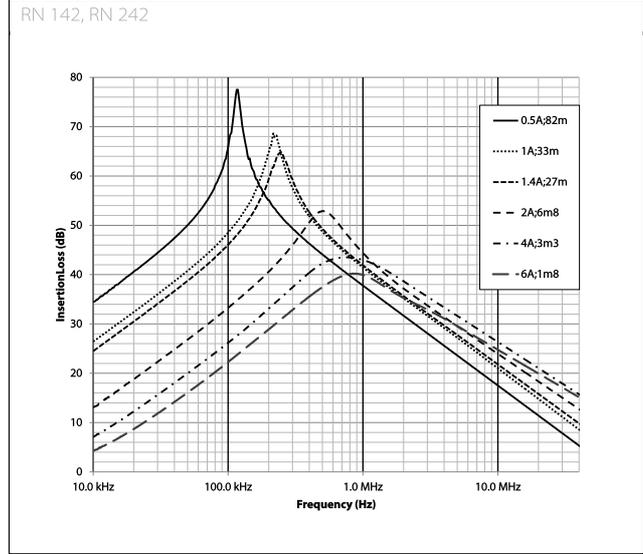
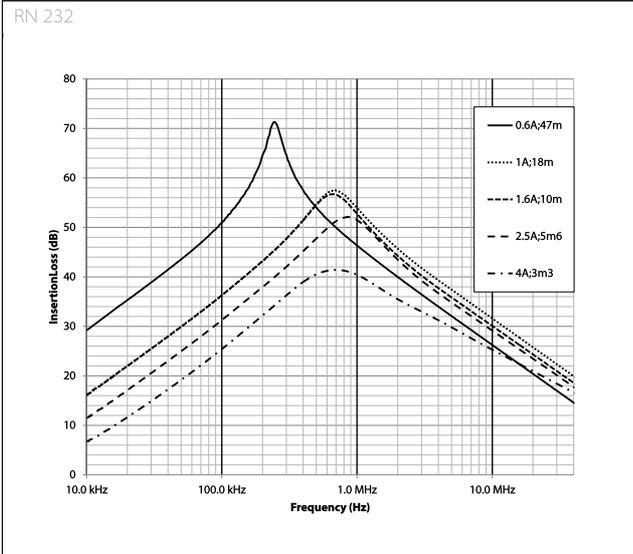
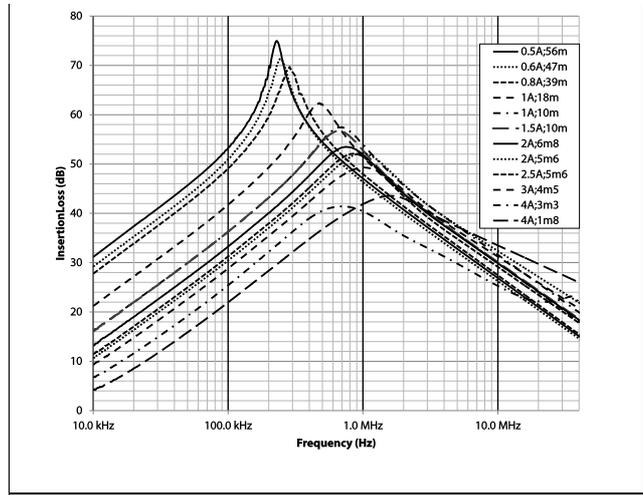
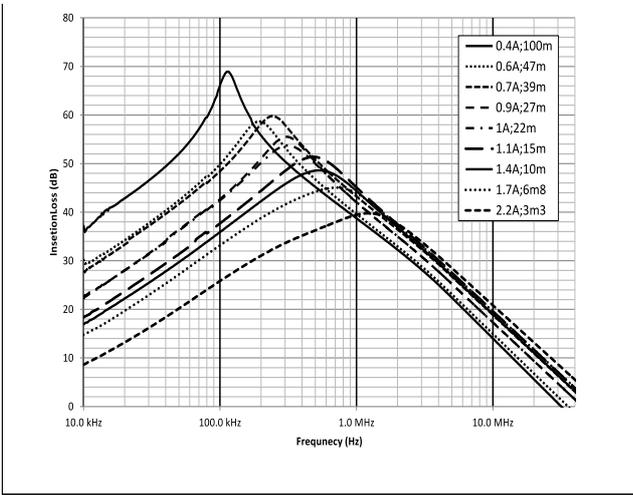


RN 116, RN 216

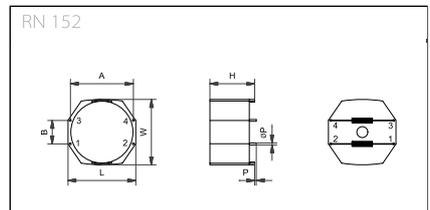
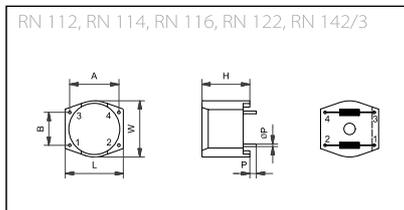
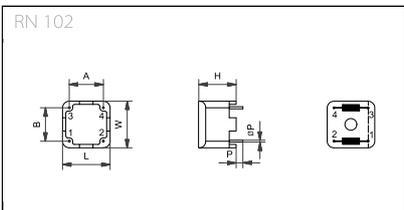


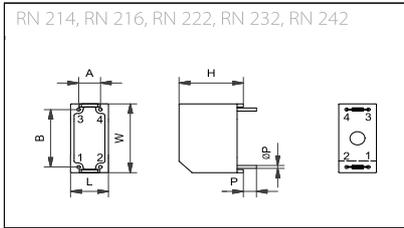
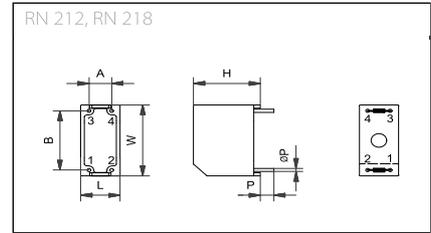
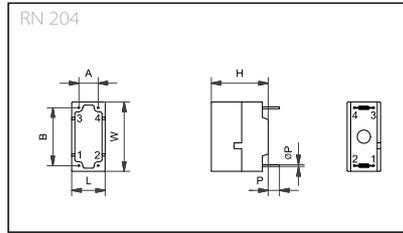
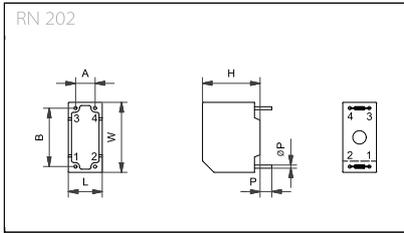
RN 218

RN 122, RN 222



Mechanical data





Pin material: Steel (base), Cu (under plating), Sn (final plating 6µm)

Dimensions

| | A (±0.6 mm) | B (±0.6 mm) | H (±0.3 mm) | L (±0.3 mm) | W (±0.3 mm) | P (±0.5 mm) | ØP (±0.1 mm) |
|---------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|
| RN 102 | 10.0 mm | 10.0 mm | 9.0 mm | 14.0 mm | 14.0 mm | 4.0 mm | 0.6 mm |
| RN 112 | 15.0 mm | 10.0 mm | 12.6 mm | 17.7 mm | 17.1 mm | 4.0 mm | 0.8 mm |
| RN 114 | 20.1 mm | 12.5 mm | 13.2 mm | 22.5 mm | 21.5 mm | 4.0 mm | 0.8 mm |
| RN 116 | 20.1 mm | 12.5 mm | 13.2 mm | 22.5 mm | 21.5 mm | 4.0 mm | 0.8 mm |
| RN 122 | 25.0 mm | 15.0 mm | 16.5 mm | 28.0 mm | 27.0 mm | 4.0 mm | 0.8 mm |
| RN 142 | 30.0 mm | 20.0 mm | 19.7 mm | 33.1 mm | 32.5 mm | 4.3 mm | 0.8 mm |
| RN 143 | 30.0 mm | 20.0 mm | 19.7 mm | 33.1 mm | 32.5 mm | 4.3 mm | 0.8 mm |
| RN 152 | 40.0 mm | 15.0 mm | 25.0 mm | 43.0 mm | 41.8 mm | 4.5 mm | 1.2 mm |
| RN 202 | 5.1 mm | 15.2 mm | 13.5 mm | 8.8 mm | 18.2 mm | 4.5 mm | 0.8 mm |
| RN 204 | 7.6 mm | 10.0 mm | 14.3 mm | 9.0 mm | 14.0 mm | 4.0 mm | 0.5 mm |
| RN 212 | 10.0 mm | 15.0 mm | 20.0 mm | 12.5 mm | 18.0 mm | 4.0 mm | 0.8 mm |
| RN 214 | 12.5 mm | 10.0 mm | 25.0 mm | 15.5 mm | 23.0 mm | 4.0 mm | 0.8 mm |
| RN 216 | 12.5 mm | 10.0 mm | 25.0 mm | 15.5 mm | 23.0 mm | 4.0 mm | 0.8 mm |
| RN 218 | 10.0 mm | 12.5 mm | 20.0 mm | 12.5 mm | 18.0 mm | 4.0 mm | 0.8 mm |
| RN 222 | 15.0 mm | 12.5 mm | 29.3 mm | 18.0 mm | 31.0 mm | 4.0 mm | 0.8 mm |
| RN 232 | 15.0 mm | 12.5 mm | 34.3 mm | 18.0 mm | 31.0 mm | 4.2 mm | 0.8 mm |
| RN 242 | 15.0 mm | 12.5 mm | 34.3 mm | 18.0 mm | 31.0 mm | 4.2 mm | 0.8 mm |

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