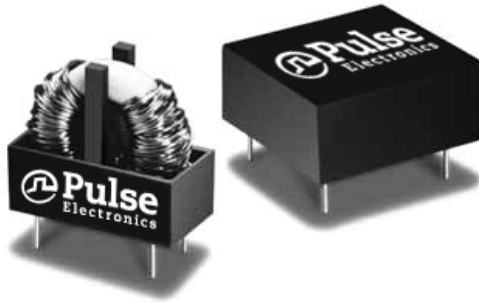


# Common Mode EMI Suppression Inductors



- Low profile or vertical mounting available
- Windings balanced within one percent
- For use in switching power supply input filter circuits
- Dielectric strength 1250 V<sub>RMS</sub>
- Designed with 3.0mm minimum creep distance between windings

## Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C

| Low Profile Part Number | Vertical Mount Part Number | Rated RMS Current (AMPS) | Load VA at RMS Line |       | Inductance at 1kHz (mH MIN) | Test Level Volts RMS 1.0 kHz | Leakage Inductance 130kHz (µH MIN) | DCR Max. each WDG (Ω) | Package Number | Lead Diameter Inches ±.003 |                |
|-------------------------|----------------------------|--------------------------|---------------------|-------|-----------------------------|------------------------------|------------------------------------|-----------------------|----------------|----------------------------|----------------|
|                         |                            |                          | 117 V               | 220 V |                             |                              |                                    |                       |                | Low Profile                | Vertical Mount |
| PE-62891NL              | PE-62911NL                 | 1.8                      | 210                 | 420   | 10.0                        | 0.50                         | 130                                | 0.240                 | 1              | 0.032                      | 0.032          |
| PE-62892NL              | PE-62912NL                 | 3.5                      | 400                 | 800   | 3.0                         | 0.20                         | 35                                 | 0.060                 | 1              | 0.032                      | 0.032          |
| PE-62893NL              | PE-62913NL                 | 6.0                      | 700                 | 1400  | 1.0                         | 0.08                         | 12                                 | 0.020                 | 1              | 0.036                      | 0.036          |
| -                       | PE-62914NL                 | 2.6                      | 300                 | 600   | 16.0                        | 1.00                         | 180                                | 0.160                 | 2              | 0.032                      | 0.040          |
| PE-62895NL              | PE-62915NL                 | 3.2                      | 375                 | 750   | 8.0                         | 0.50                         | 90                                 | 0.120                 | 2              | 0.032                      | 0.040          |
| PE-62896NL              | PE-62916NL                 | 5.2                      | 600                 | 1200  | 4.0                         | 0.20                         | 45                                 | 0.040                 | 2              | 0.036                      | 0.036          |
| PE-62897NL              | PE-62917NL                 | 7.5                      | 875                 | 1750  | 2.0                         | 0.08                         | 25                                 | 0.020                 | 2              | 0.047                      | 0.047          |

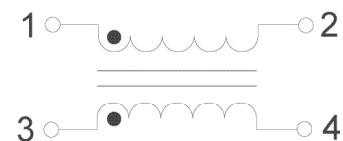
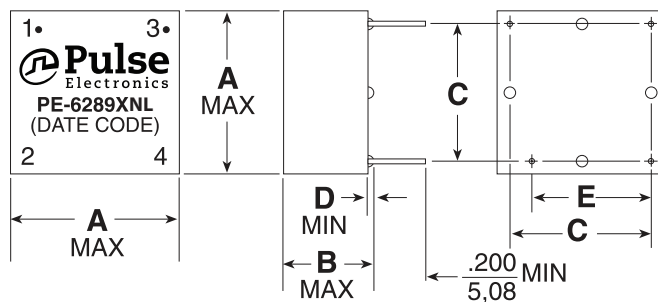
### Notes:

1. Rated RMS current for 40°C rise at any input voltage.
2. **Caution** — do not exceed rated RMS current ratings.
3. To order a RoHS compliant part, add the suffix “NL” to the part number (i.e. PE-62891 becomes PE-62891NL).

## Mechanical

## Schematic

### PE-6289XNL



| Package Number | A                    | B                    | C                    | D                   | E                     |
|----------------|----------------------|----------------------|----------------------|---------------------|-----------------------|
| 1              | $\frac{1.25}{31,75}$ | $\frac{.600}{15,24}$ | $\frac{.100}{25,40}$ | $\frac{.015}{0,38}$ | $\frac{.900}{22,86}$  |
| 2              | $\frac{1.50}{38,10}$ | $\frac{.800}{20,32}$ | $\frac{1.28}{32,51}$ | $\frac{.010}{0,25}$ | $\frac{1.083}{27,50}$ |

**Dimensions:**  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

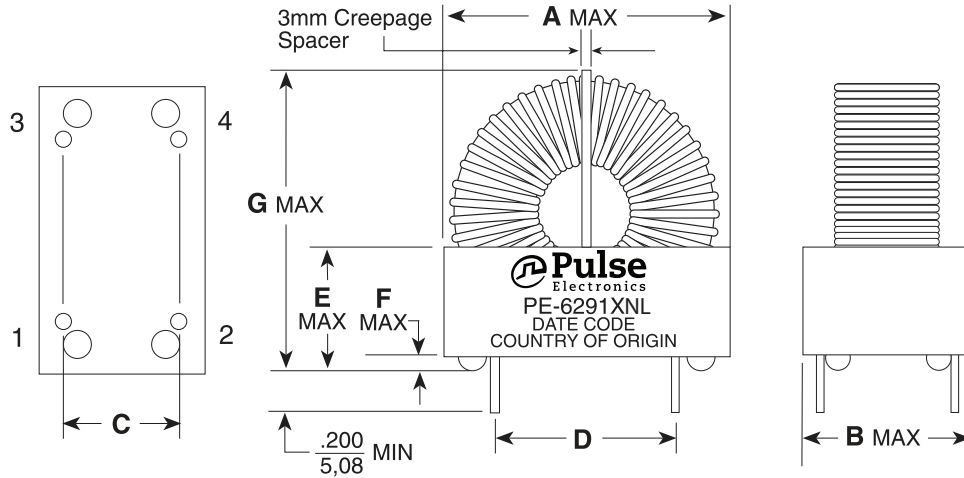
China 86 755 33966678

Taiwan 886 3 4356768

# Common Mode EMI Suppression Inductors

## Mechanical (continued)

PE-6291XNL



Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

| Package Number | A                    | B                    | C                    | D                    | E                   | F                   | G                    |
|----------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|----------------------|
| 1              | $\frac{1.15}{29,21}$ | $\frac{.560}{14,22}$ | $\frac{.400}{10,15}$ | $\frac{.800}{20,32}$ | $\frac{.45}{11,43}$ | $\frac{.015}{0,38}$ | $\frac{1.15}{29,21}$ |
| 2              | $\frac{1.44}{36,57}$ | $\frac{.800}{20,32}$ | $\frac{.600}{15,24}$ | $\frac{.900}{22,86}$ | $\frac{.70}{17,78}$ | $\frac{.030}{0,76}$ | $\frac{1.50}{38,10}$ |

## For More Information

**Pulse Worldwide Headquarters**  
12220 World Trade Drive  
San Diego, CA  
92128  
U.S.A.

Tel: 858 674 8100

**Pulse Europe**  
Einsteinstrasse 1  
D-71083 Herrenberg  
Germany

Tel: 49 7032 7806

**Pulse China Headquarters**  
B402, Shenzhen Academy of  
Aerospace Technology Bldg.  
10th Kejianan Road  
High-Tech Zone  
Nanshan District  
Shenzhen, PR China  
518057

**Pulse North China**  
Room 2704/2705  
Super Ocean Finance  
Ctr.  
2067 Yan An Road  
West  
Shanghai 200336  
China

**Pulse South Asia**  
135 Joo Seng Road  
#03-02  
PM Industrial Bldg.  
Singapore 368363

Tel: 65 6287 8998  
Fax: 65 6287 8998

**Pulse North Asia**  
3F, No. 198  
Zhongyuan Road  
Zhongli City  
Taoyuan County 320  
Taiwan R. O. C.  
Tel: 886 3 4356768  
Fax: 886 3 4356823  
(Pulse)

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