

# Switch Mode Transformers

Toroid Platform SMD



- Push Pull Converter Transformer
- Compatible with MAXIM™ MAX253 to isolate RS-485/RS232 and other industrial bus transceivers
- Compact and cost effective industrial design

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

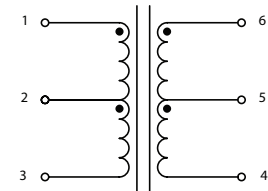
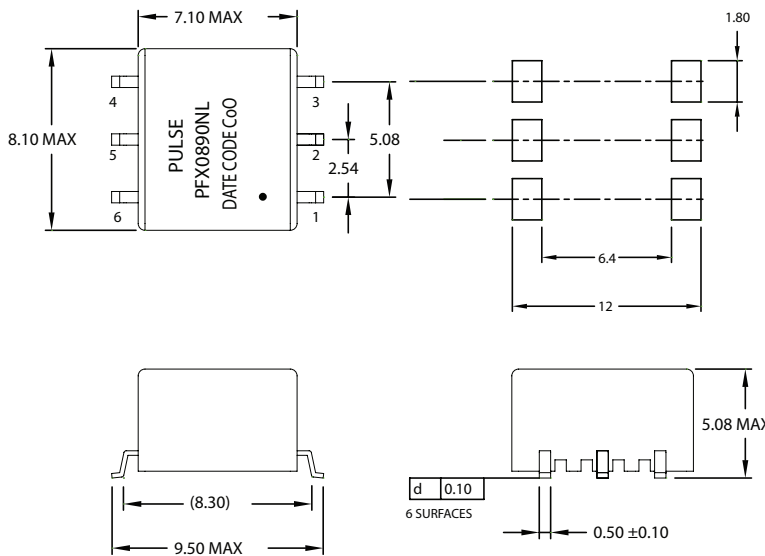
Part Number <sup>2,3</sup>	Inductance (1-3) (mH ±35%)	DCR (1-3) (Ω MAX)	MAX (1-3) <sup>1</sup> (V-μsec)	Turns Ratio	Isolated Voltage (Vrms)
PFX0890NL	1.02	0.60	18.4	3:4	2000

- Notes:**
- The maximum volt-usec rating limits the peak flux density to 3600 gauss when used in bi-polar drive application with 200KHz. For unipolar drive applications or a bi-polar drive with 350KHz, a maximum volt-usec could be 60% of the listed value.
  - Optional Tape & Reel packing can be ordered by adding a "T" suffix to the part number. Pulse complies to industry standard tape and reel specification EIA481.
  - Other turns ratios available on request.

## Mechanical

## Schematic

### PFX0890NL



Weight .....0.365grams  
Tape & Reel .....700/reel  
Tray .....55/tray

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

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

## For More Information

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

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

**Pulse China Headquarters**  
B402, Shenzhen Academy of  
Aerospace Technology Bldg.  
10th Kejinan 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

**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)  
Fax: 886 3 4356820 (FRE)

Tel: 858 674 8100  
Fax: 858 674 8262

Tel: 49 7032 78060  
Fax: 49 7032 7806 135

Tel: 86 755 33966678  
Fax: 86 755 33966700

Tel: 86 21 62787060  
Fax: 86 2162786973

Tel: 65 6287 8998  
Fax: 65 6287 8998

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