



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

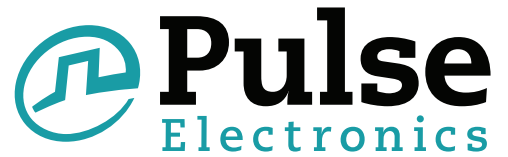
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# HIGH FREQUENCY WIRE WOUND TRANSFORMERS

## EE13 Platforms - THT TYPE



- AC/DC and DC/DC Switching Transformers
- Reinforced Insulation
- 3000Vrms Hi-Pot
- Topology: Flyback
- Custom Design Available

### Electrical Specifications @ 25°C — Operating Temperature -40°C to 130°C<sup>1</sup>

PA2718NL	Pri. Inductance	(5 - 1)	1.74 mH ± 10%	
	Lk. Inductance	(5 - 1)	98 µH MAX	
	w/	(7-8)	shorted	
	DCR	(5-1)	5200	m Ω Max
		(7-8)	24	
Hi-Pot	Pri-Sec	3000 Vrms		
K1 Factor		7505		

**CM - FLYBACK TRANSFORMER**

#### NOTES:

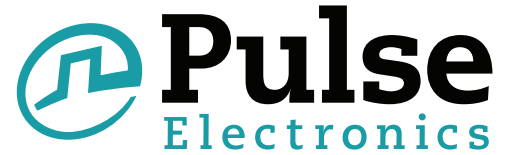
- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.
- For flyback topology applications, it is necessary to ensure that the transformer will not saturate in the application. The peak flux density (Bpk) should remain below 2700Gauss. To calculate the peak flux density use the following formula:  

$$B_{pk} \text{ (Gauss)} = K1\_Factor * I_{pk}(A)$$
- In high volt-µsec applications, it is important to calculate the core loss of the transformer. Approximate transformer core loss can be calculated as:  

$$CoreLoss \text{ (W)} = 2.58E-13 X (Freq\_kHz)^{1.35} X (DB\_Gauss)^{2.80}$$
 where DB can be calculated as:  
 For Flyback Topology:  $DB = K1\_Factor * D(A)$   
 For Forward Topology:  $DB = K1\_Factor * Volt\text{-}\mu sec$
- The “NL” suffix indicates an RoHS-compliant part number. Non-NL suffixed parts are not necessarily RoHS compliant, but are electrically and mechanically equivalent to NL versions. If a part number does not have the “NL” suffix, but an RoHS compliant version is required, please contact Pulse for availability.

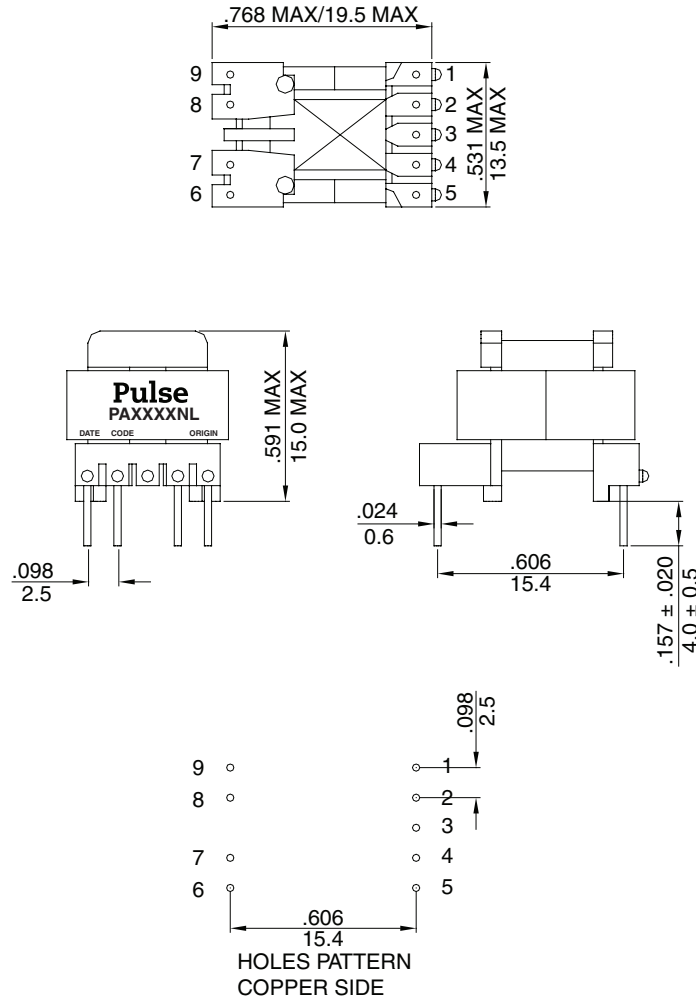
# HIGH FREQUENCY WIRE WOUND TRANSFORMERS

## EE13 Platforms - THT Type



### Mechanical

PA2718NL



### For More Information:

#### Pulse North America Headquarters

12220 World Trade Dr.  
San Diego, CA 92128  
U.S.A.

#### Pulse European Headquarters

Einsteinstrasse 1  
D-71083 Herrenberg  
Germany

#### Pulse China Headquarters

B402, Shenzhen Academy of  
Aerospace Technology Bldg.  
10th Kejinan Rd.  
High-Tech Zone  
Nanshan District  
Shenzen, PR China 518057

#### Pulse North China

Room 1503  
XinYin Building  
No. 888 YiShan Rd.  
Shanghai 200233  
China

#### Pulse South Asia

150 Kampong Ampat  
#07-01/02  
KA Centre  
Singapore 368324

#### Pulse North Asia

No. 26  
Kao Ching Rd.  
Yang Mei Chen  
Taoyuan Hsien  
Taiwan, R. O. C.  
32667

TEL: 858 674 8100  
FAX: 858 674 8262

TEL: 49 7032 7806 0  
FAX: 49 7032 7806 12

TEL: 86 755 33966678  
FAX: 86 755 33966700

TEL: 86 21 32181071  
FAX: 86 21 32181396

TEL: 65 6287 8998  
FAX: 65 6280 0080

TEL: 886 3 4643715  
FAX: 886 3 4641911

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