



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](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)






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



# SMT GATE DRIVE TRANSFORMERS

## 1500VDC Basic and Operational Insulation



-  Storage Temperature: -55°C to +130°C
-  500Vdc isolation between gate and drive.
-  Basic insulation(1.4mm creepage/clearance) and operational available.
-  Maximum Reflow Temperature: 235°C (245°C for RoHS compliant)
-  Moisture Sensitivity Level (MSL): 1

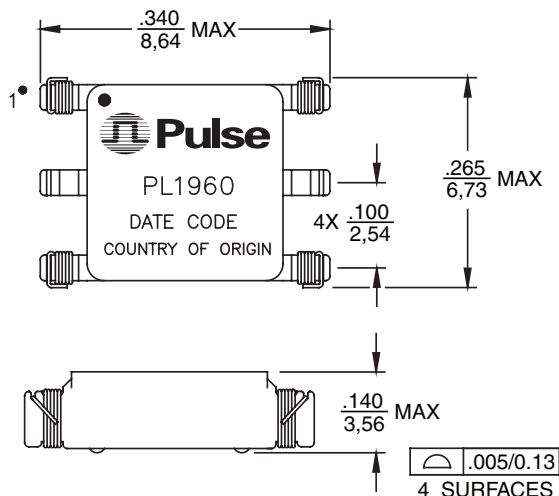
### Electrical Specifications @ 25°C — Operating Temperature -40°C to +130°C<sup>5</sup>

Part Number	Turns Ratio	Pri-Sec Insulation (Vdc)	MAX (V* usec)	Primary Inductance (uH MIN)	Leakage Inductance (uH MAX)	DCR Primary (Ω MAX)	DCR Secondary (Ω MAX)	Package Size
PL1960	1:1	1500.00	9.700	785.0	0.46	0.60	0.6	8.6x6.7x2.5

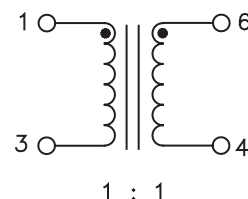
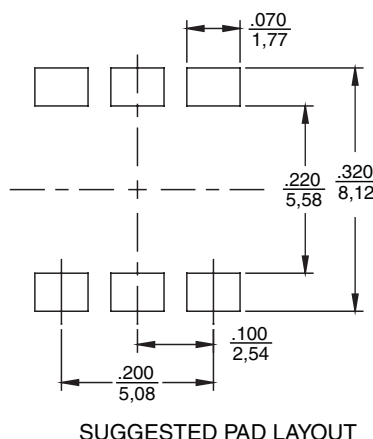
#### NOTES:

- The maximum volt-μsec rating limits the peak flux density to 2200 Gauss when used in a unipolar drive application. For bi-polar drive applications a maximum volt-μsec of two times this rating is acceptable (ie: 2\* (volt\*μsec rating) Volt\*μsec = (voltage applied to the primary) \* dutycycle / Frequency = V \* alpha / Freq\_Hz = V \* μsec
- Leakage inductance is measured at primary terminals with all secondaries shorted.
- Optional Tape & Reel packaging can be ordered by adding a "T" suffix to the part number (i.e. P0544NL becomes P0544NLT). Pulse complies to industry standard tape and reel specification EIA481.
- 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
- The temperature of the component (ambient plus temperature rise) must be within the stated operating temperature range.

### Mechanical



### Schematic



Weight ..... 0.28 grams  
Tape & Reel ..... 1500/reel  
Tube ..... .60/tube

Dimensions: Inches  
mm  
Unless otherwise specified,  
all tolerances are ± .010  
0,25

SUGGESTED PAD LAYOUT

### For More Information:

**Pulse Worldwide Headquarters**  
Two Pearl Buck Court  
Bristol, PA 19007  
U.S.A.

[www.pulseeng.com](http://www.pulseeng.com)

Tel: 215 781 6400  
Fax: 215 781 6403

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

Tel: 49 7032 7806 0  
Fax: 49 7032 7806 135

**Pulse China Headquarters**  
B402, Shenzhen Academy of  
Aerospace Technology Bldg.  
10th Kejinan Rd.  
High-Tech Zone  
Nanshan District  
Shenzhen, PR China 518057  
Tel: 86 755 33966678  
Fax: 86 755 33966700

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

Tel: 86 21 62787060  
Fax: 86 2162786973

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

Tel: 65 6287 8998  
Fax: 65 6280 0080

**Pulse North Asia**  
No. 26, Kao Ching Rd.  
Yang Mei Chen  
Taoyuan Hsien  
Taiwan  
R. O. C.

Tel: 886 3 4643715  
Fax: 886 3 4641911

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