



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 ISOLATION POWER TRANSFORMER

Shaped Core Platform SMD



- Flyback Converter Transformer
- Designed for Broadcom ACPL-32JT and ACPL-302J IGBT Gate Driver
- Compact and cost effective industrial design
- PH9363NL: Basic insulation, 2.8mm creepage
- PH9496NL: Basic insulation, 6.2mm creepage
- PH0416NL: Reinforced insulation, 8.3mm creepage

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

| Part Number | Inductance (Pri)<br>( $\mu\text{H} \pm 10\%$ ) | Inductance (Sec)<br>( $\mu\text{H} \pm 10\%$ ) | DCR (Sec)<br>( $\Omega$ MAX) | Leakage Inductance (Pri)<br>( $\mu\text{H}$ Max) | Turns Ratio | Isolated Voltage<br>(Vrms) |
|-------------|--|--|------------------------------|--|-------------|----------------------------|
| PH9363NL    | 60   | 240  | 0.60                         | 3.0  | 1:2         | 2500 / 1 minute            |
| PH9496NL    | 52   | 332  | 0.22                         | 1.2  | 1:2.53      | 2500 / 1 minute            |
| PH0416NL    | 43   | 172  | 1.2                          | 2  | 1:2         | 5000 / 1 minute            |

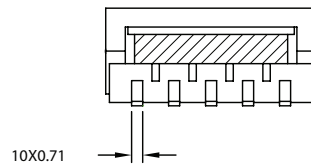
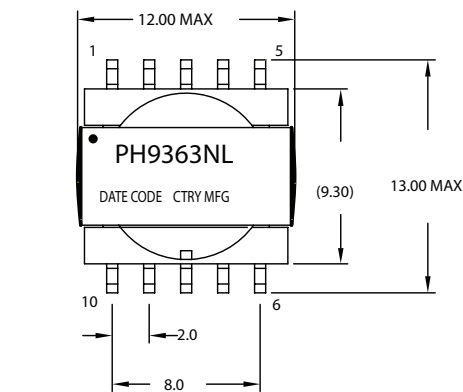
### Notes:

- These transformers are approved by Broadcom to deliver a isolated 18V IGBT drive voltage from a 8V-18V source.
- Optional Tape & Reel packing can be ordered by adding a "T" suffix to the part number
- Other turns ratios and isolation levels available on request.

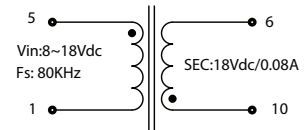
## Mechanical

## Schematic

### PH9363NL



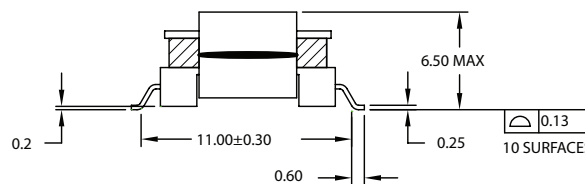
10X0.71



Weight .....1.4grams  
Tape & Reel .....500/reel  
Tray .....100/tray

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

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



# HIGH ISOLATION POWER TRANSFORMER

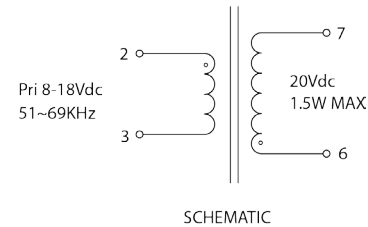
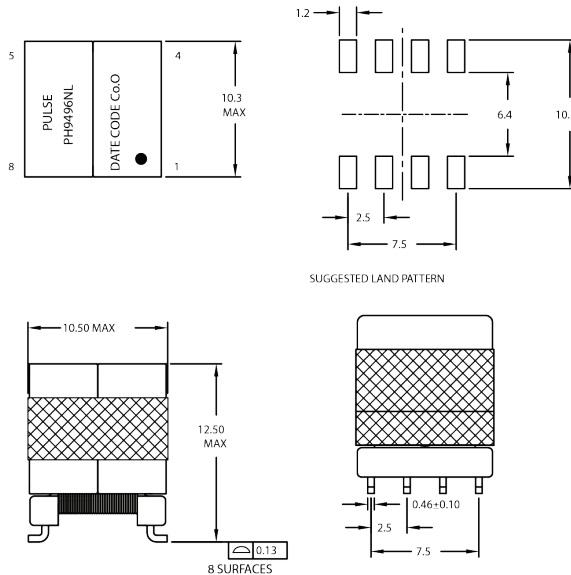
Shaped Core Platform SMD



## Mechanical

## Schematic

### PH9496NL



Weight .....2.6grams  
Tape & Reel .....175/reel  
Tray .....90/tray

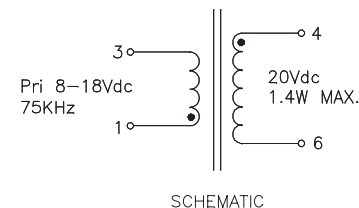
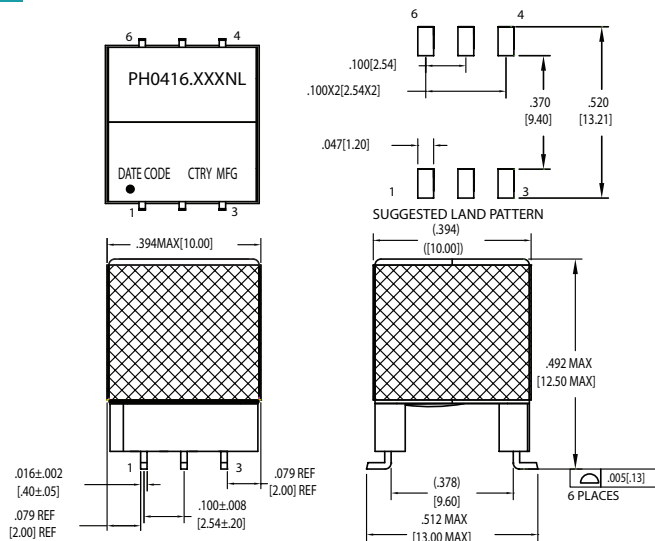
Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

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

## Mechanical

## Schematic

### PH0416NL



Weight .....2.6grams  
Tape & Reel .....150/reel  
Tray .....80/tray

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

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

## For More Information

### Pulse Worldwide Headquarters

15255 Innovation Drive Ste 100  
San Diego, CA 92128  
U.S.A.

### Pulse Europe

Pulse Electronics GmbH  
Am Rottland 12  
58540 Meinerzhagen  
Germany

### Pulse China Headquarters

Pulse Electronics (ShenZhen) CO., LTD  
D708, Shenzhen Academy of  
Aerospace Technology,  
The 10th Keji South Road,  
Nanshan District, Shenzhen, P.R.  
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

1F, No.111  
Xiyuan Road  
Zhongli District  
Taoyuan City 32057  
Taiwan (R.O.C)

Tel: 858 674 8100  
Fax: 858 674 8262

Tel: 49 2354 777 100  
Fax: 49 2354 777 168

Tel: 86 755 33966678  
Fax: 86 755 33966700

Tel: 86 21 62787060  
Fax: 86 2162786973

Tel: 65 6287 8998  
Fax: 65 6280 0080

Tel: 886 3 4356768  
Fax: 886 3 4356820

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners. © Copyright, 2017. Pulse Electronics, Inc. All rights reserved.