

# HOME PHONE NETWORKING TRANSFORMER



- For use with Clare's JackRabbit™ chipset
- Small form factor

## Electrical Specifications @ 25°C — Operating Temperature -40°C to +85°C

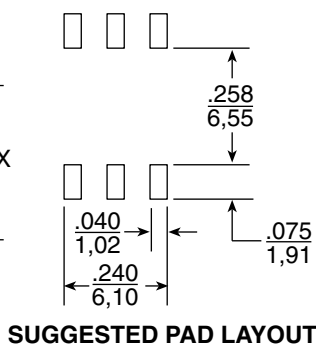
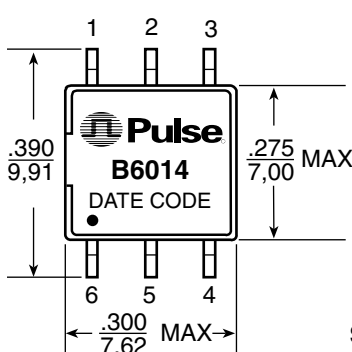
| Part Number | Mounting | Turns Ratio<br>( $\pm 2\%$ )<br>(3-1):(4-6) | Inductance<br>(@ 100 kHz, 0.01 Vrms) | Leakage Inductance<br>(@ 100 kHz, 0.01 Vrms)<br>(4-6) with (1-3) shorted | DC Resistance<br>(1-3) = (4-6) | Interwinding<br>Capacitance<br>(@ 100 kHz, 0.01 Vrms) | Isolation<br>Voltage<br>(Vrms) |
|-------------|----------|---------------------------------------------|--------------------------------------|--------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------|--------------------------------|
| B6014       | SMT      | 1:1                                         | 40 $\mu$ H MIN                       | 0.25 $\mu$ H MAX                                                         | 0.20 $\Omega$ MAX              | 10 pF MAX                                             | 1500                           |

**NOTE:** Transformers are shipped in tubes, unless Tape & Reel packaging is specified by adding a "T" suffix to the part number (ex: B6014T).

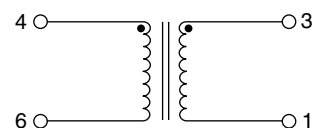
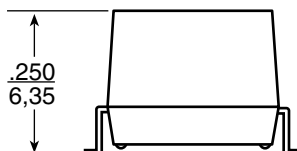
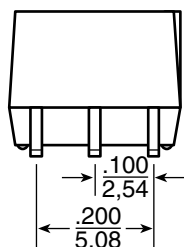
## Mechanical

## Schematic

### B6014



**SUGGESTED PAD LAYOUT**



Weight ..... 0.6 grams  
Tape & Reel ..... 500/reel  
Tube ..... 70/tube

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0.25}$

## For More Information :

### UNITED STATES (Worldwide)

12220 World Trade Drive  
San Diego, CA 92128  
U.S.A.  
<http://www.pulseeng.com>  
TEL: 858 674 8100  
FAX: 858 674 8262

### UNITED KINGDOM (Northern Europe)

1 & 2 Huxley Road  
The Surrey Research Park  
Guildford, Surrey GU2 5RE  
United Kingdom  
TEL: 44 1483 401700  
FAX: 44 1483 401701

### FRANCE (Southern Europe)

Zone Industrielle  
F-39270  
Orgelet  
France  
TEL: 33 3 84 35 04 04  
FAX: 33 3 84 25 46 41

### SINGAPORE (Southern Asia)

150 Kampong Ampat  
#07-01/02  
KA Centre  
Singapore 368324  
TEL: 65 287 8998  
FAX: 65 280 0080

### TAIWAN, R.O.C. (Northern Asia)

3F-4, No. 81, Sec. 1  
HsinTai Wu Road  
Hsi-Chih, Taipei Hsien  
Taiwan, R.O.C.  
Tel: 886 2 2698 0228  
FAX: 886 2 2698 0948

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