

# CRITCHLEY ADSL TRANSFORMERS 6A307



- For use with the following Chipsets:

|                                 |                  |
|---------------------------------|------------------|
| <b>Alcatel Microelectronics</b> | <b>MTK 20131</b> |
|---------------------------------|------------------|

- Alcatel reference number : 1AB 0216 0113
- Broadband Transformer for Central Office (C.O.) applications.

| <b>ELECTRICAL SPECIFICATION*</b>   |   |                                   |                                 |                                 |  |
|------------------------------------|---|-----------------------------------|---------------------------------|---------------------------------|--|
| Inductance<br>@ 10 kHz 0.1 Vrms.   | Leakage Inductance<br>@ 100 kHz 0.1 Vrms. | Turns Ratio                       | DC Resistance<br>(max.)         |                                 | Isolation Voltage<br>Primary : Secondary |
| 2 - 12 (s/c 1-11)                  | 2 - 12<br>(s/c 1-11, 6-8, 5-7)            | 2 - 12 : 8 - 6<br>(s/c 1-11, 5-7) | 2 - 12<br>(s/c 1-11)            | 8 - 6<br>(s/c 5-7)              | 2 - 8 for 2 secs.<br>(s/c 1-11, 5-7)     |
| <b>389 - 430 <math>\mu</math>H</b> | <b>&lt; 6.5 <math>\mu</math>H</b>         | <b>2 : 1</b>                      | <b>0.64 <math>\Omega</math></b> | <b>0.38 <math>\Omega</math></b> | <b>2000 Vrms.</b>                        |

\* At 23°C

| <b>SCHEMATIC</b>  | <b>MECHANICAL SPECIFICATION</b>   |  |
|---|---|--|
| <p>Turns Ratio 2 : 1</p> <p>This component is tested to :<br/>IEC 68-2-14:1984 Nb<br/>(temperature range:<br/>-40°C to +125°C).</p> <p>Approximate Weight... 13 grams</p> | <p style="color: red;"><b>Through Hole Style - 6A307</b></p> <p>TOP VIEW</p> <p>SIDE VIEW</p> <p>PIN LAYOUT</p> |  |

**Pontiac Coil – Europe Ltd.**

PO Box 246  
Queens Drive Industrial Estate  
Nottingham NG2 1NQ

**United Kingdom**

Tel: +44 (0) 115 986 1126  
Fax: +44 (0) 115 986 0563

**Pontiac Coil, Inc.**

5800 Moody Drive  
Clarkston  
Michigan 48348

**USA**

Tel: +1 248 922 2203  
Fax: +1 248 922 1315

**Local Distributors available in:**

**Australia, Finland, Israel,  
Italy, Malaysia, Norway, Singapore,  
Sweden and Taiwan.**

For details contact Pontiac Coil - Europe Ltd.

[sales@pontiaccoil.co.uk](mailto:sales@pontiaccoil.co.uk)

[www.pontiaccoil.co.uk](http://www.pontiaccoil.co.uk)