

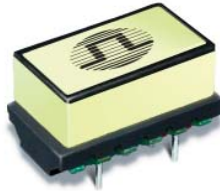
# XDSL SPLITTER FILTER MODULE

## B8813NL

SmartER Series



**Pulse**  
A TECHNITROL COMPANY



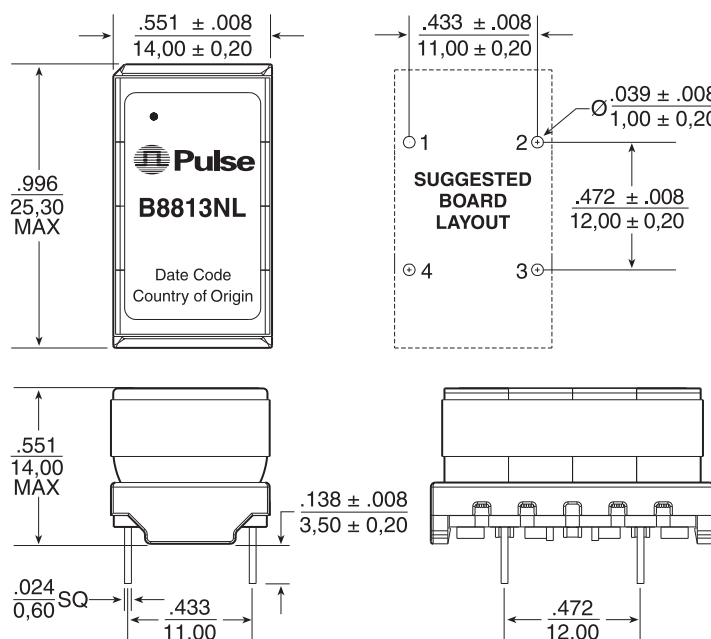
- POTS CO splitter for standard ADSL / VDSL2 applications
- LPF compliant to ATIS specification TRQ.10.2009 Type A for short and long loops
- Part of a standard series which has footprint compatibility
- For ADSL, ADSL2+, VDSL and VDSL2 applications
- Compliant with Broadband Forum TR-127 standard for ADSL2+ and VDSL2 applications
- Patented technology US7598837, US7598839, CN1667763, EP1644943, TWI316724, CA2531599

### Electrical Specifications @ 25°C

| PARAMETER                                        | FREQUENCY         |                  |
|--------------------------------------------------|-------------------|------------------|
| POTS Impedance                                   | 100 Hz to 4 kHz   | 900 $\Omega$     |
| POTS Insertion Loss                              | 1 kHz             | 0.75 dB MAX      |
| POTS Insertion Loss Distortion relative to 1 kHz | 200 Hz to 3.4 kHz | 0.5 dB to 1.5 dB |
|                                                  | 3.4 kHz to 4 kHz  | 1.0 dB to 1.5 dB |
| POTS Return Loss                                 | 200 Hz (SRL-L)    | 5 dB MIN         |
|                                                  | 1 kHz (ERL)       | 8 dB MIN         |
|                                                  | 2.2 kHz (SRL-H)   | 5 dB MIN         |
| Longitudinal Balance                             | 200 Hz to 3kHz    | 58 dB MIN        |
| xDSL Insertion Loss                              | 32 kHz to 12 MHz  | 65 dB MIN        |
|                                                  | 12 MHz to 30 MHz  | 55 dB MIN        |
| DC Current                                       |                   | 100 mA MAX       |
| Total DC Resistance                              |                   | 25 $\Omega$ MAX  |

### Mechanical

#### B8813NL



Weight . . . . . 10 grams  
Tray . . . . . 80/tray

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

USA 858 674 8100 • Germany 49 7032 7806 0 • Singapore 65 6287 8998 • Shanghai 86 21 62787060 • China 86 755 33966678 • Taiwan 886 3 4356768

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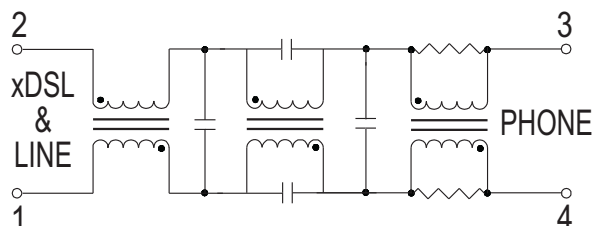
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### Schematic

**B8813NL**



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