

# XDSL SPLITTER FILTER MODULE



- Low cost ISDN Central Office Splitter for ADSL applications
- Designed to meet ETSI specification TS101-952-1-3\*
- LPF matched to 135Ω line impedance for ISDN 2B1Q applications
- Module is part of a standard series which has footprint compatibility
- ADSL2+ compatible
- NL version: RoHS-6 compliant

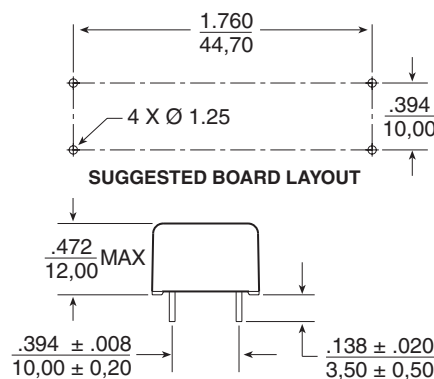
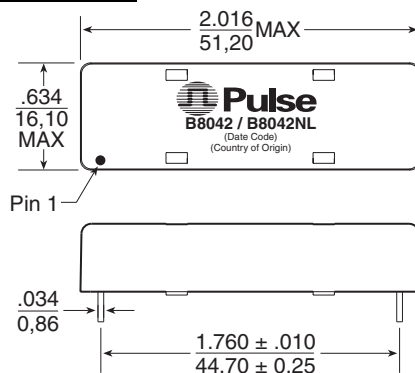
## Electrical Specifications @ 25°C — Operating Temperature -20°C to +85°C

| PARAMETER                                       | FREQUENCY        |            |
|-------------------------------------------------|------------------|------------|
| ISDN Impedance                                  | 1.0kHz to 80kHz  | 135Ω NOM   |
| ISDN Insertion Loss                             | 1.0kHz to 40kHz  | -0.8dB MAX |
|                                                 | 40kHz to 80kHz   | -2.0dB MAX |
| ISDN Return Loss*                               | 1.0kHz to 40kHz  | -16dB MIN  |
|                                                 | 40kHz to 80kHz   | -12dB MIN  |
| ISDN Group Delay                                | 1.0kHz to 80kHz  | 20μs MAX   |
| Longitudinal Balance                            | 300Hz to 30kHz   | -30dB MIN  |
| ADSL Insertion Loss                             | 150kHz to 2.2MHz | -65dB MIN  |
| DC Current                                      |                  | 60mA MAX   |
| Total DC Resistance                             |                  | 12.5Ω MAX  |
| For Information - behavior at VDSL frequencies: | 2.2MHz to 12MHz  | -45dB MIN  |
| ADSL Insertion Loss                             | 12MHz to 30MHz   | -30dB MIN  |

\*NOTE: Exception - Typical Return Loss meets published ETSI specification TS101-952-1-3.

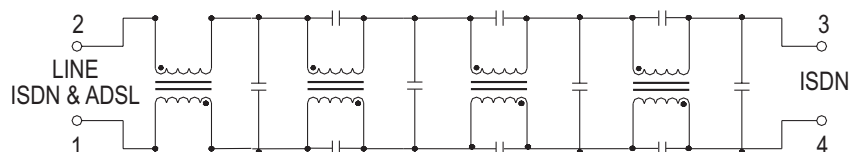
## Mechanical

### B8042 / B8042NL



Weight .....11 grams  
 Tray .....35/tray  
 Dimensions: Inches  
 mm  
 Unless otherwise specified,  
 all tolerances are ± .010  
 0,25

## Schematic



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B815.C (8/07)