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[Pulse Electronics Corporation](#)  
[B8042NL](#)

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# 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

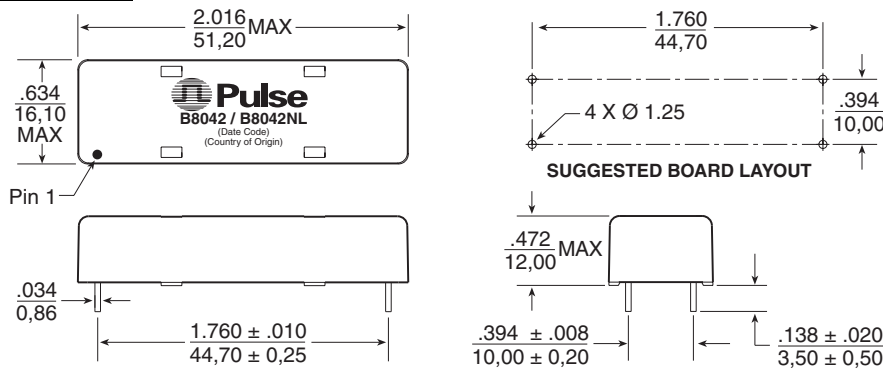
## Electrical Specifications @ 25°C — Operating Temperature -20°C to +85°C

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
<i>For Information - behavior at VDSL frequencies:</i>	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.

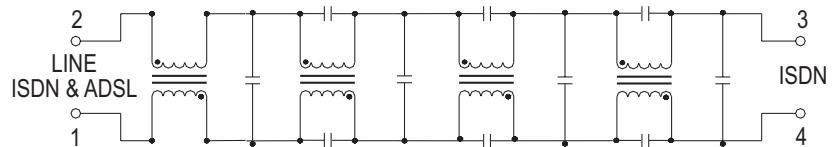
## Mechanical

### B8042 / B8042NL



Weight .....11 grams  
 Tray ..... .35/tray  
 Dimensions:  $\frac{\text{Inches}}{\text{mm}}$   
 Unless otherwise specified,  
 all tolerances are  $\pm \frac{.010}{0,25}$

## Schematic



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