

# XDSL SPLITTER FILTER MODULE



- ⊕ POTS and ISDN Central Office Splitter for ADSL over ISDN applications
- ⊕ LPF matched to 150Ω line impedance for ISDN 4B3T applications
- ⊕ LPF matched to DT complex impedance ( $Z_R = 220\Omega + 820\Omega / 115nF$ ) for POTS applications
- ⊕ Filter complies with ETSI TS 101 952-1-4
- ⊕ ADSL2+ compatible
- ⊕ NL version: RoHS-6 compliant

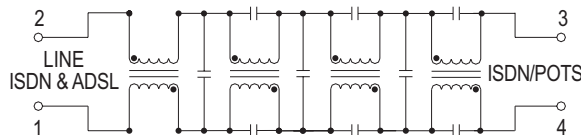
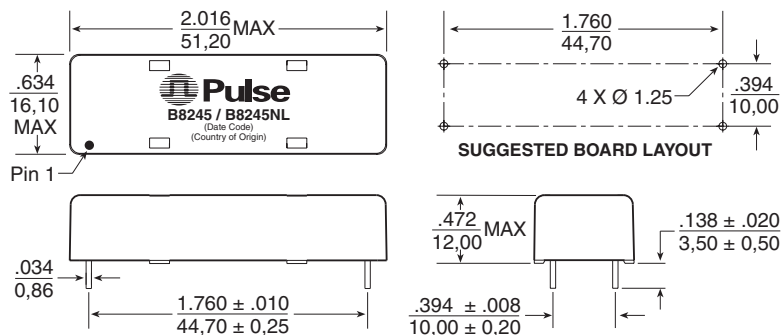
## Electrical Specifications @ 25°C

PARAMETER	FREQUENCY	
ISDN Impedance	1kHz to 80kHz	150Ω NOM
ISDN Insertion Loss	1kHz to 60kHz	-1.2dB MAX
	60kHz to 80kHz	-2.0dB MAX
ISDN Return Loss	1kHz to 60kHz	-16dB MIN
	60kHz to 80kHz	-14dB MIN
ISDN Group Delay	1kHz to 80kHz	20μs MAX
POTS Impedance	200Hz to 4kHz	220Ω + 820Ω / 115nF
POTS Insertion Loss	1kHz	-1.0dB MAX
POTS Insertion Loss Distortion	200Hz to 4kHz difference to 1kHz	
	300Hz to 1.6kHz	1.0dB MAX
POTS Return Loss	1.6kHz to 3.4kHz	-15dB MIN
	100Hz to 4kHz	-12dB MIN
POTS Group Delay	100Hz to 4kHz	250μs MAX
	138kHz to 150kHz	-55dB MIN
ADSL Insertion Loss	150kHz to 1.1MHz	-65dB MIN
	1.1MHz to 2.2MHz	-55dB MIN
DC Current		80mA MAX
Total DC Resistance		12.5Ω MAX
<i>For Information - behavior at VDSL frequencies:</i>		
ADSL Insertion Loss	2.2MHz to 12MHz	-55dB MIN
	12MHz to 30MHz	-45dB MIN

## Mechanical

## Schematic

### B8245/ B8245NL



Weight .....11 grams  
Tray ..... .35/tray

Dimensions:  $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are  $\pm \frac{.010}{0,25}$

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