



# XDSL SPLITTER FILTER MODULE

## B8841NL

SmartER series



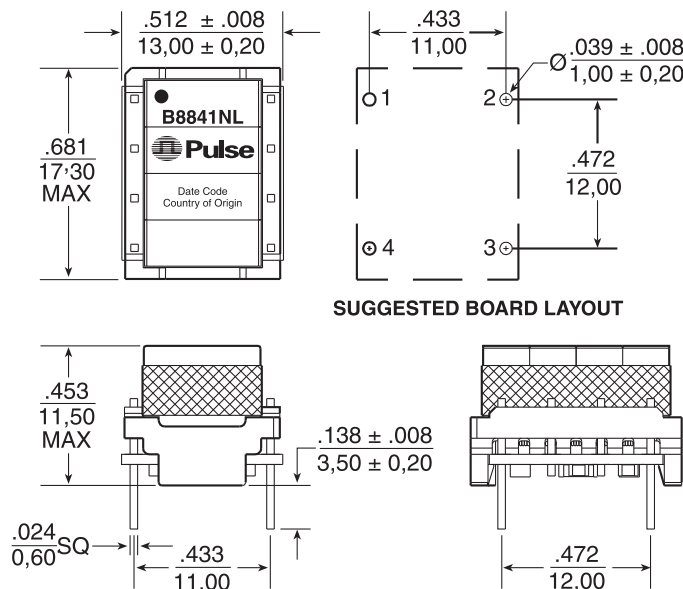
- ⊕ POTS CO splitter for ETSI 600 Ω ADSL to VDSL2 applications
- ⊕ POTS CO splitter for China YD/T 1187-2006 ADSL2+ 600 Ω
- ⊕ LPF matched to 600 Ω impedance
- ⊕ Metering Pulse 12 kHz to 16 kHz
- ⊕ Part of a standard series which has footprint compatibility
- ⊕ Compliant with Broadband Forum TR-127 standard for VDSL2 applications
- ⊕ Patented technology US7598837, US7598839, CN1667763, EP1644943, TWI316724, CA2531599

### Electrical Specifications @ 25°C

PARAMETER	FREQUENCY	
POTS Impedance	200 Hz to 4 kHz	600 Ω
POTS Insertion Loss	@ 1 kHz	0.3 dB MAX
POTS Insertion Loss Distortion	200 Hz to 4 kHz	0.3 dB MAX
POTS Return Loss	300 Hz to 500 Hz / 2.0 kHz to 3.4 kHz	14 dB MIN
	500 Hz to 2.0 kHz	18 dB MIN
Metering Pulse Insertion Loss	12 kHz and 16 kHz	3 dB MAX
Group Delay	200 Hz to 3.4 kHz	150 μS MAX (Typical 65 μS)
Longitudinal Balance	50 Hz to 600 Hz / 3.4 kHz to 30 kHz	40 dB MIN
	600 Hz to 3.4 kHz / 30 kHz to 1.1 MHz	46 dB MIN
	1.1 MHz to 30 MHz	30 dB MIN
xDSL Insertion Loss	30 kHz to 30 MHz	55 dB MIN
Tip-to-ring Capacitance		20 nF MIN 115 nF MAX
Tip-to-ring Insulation Resistance		5 MΩ MIN
DC Current		100 mA MAX
Total DC Resistance		25 Ω MAX

### Mechanical

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Weight, ..... 5.5 grams  
 Tray, ..... 80/tray

Dimensions: Inches  
 mm  
 Unless otherwise specified,  
 all tolerances are ± .010  
 ± 0.25

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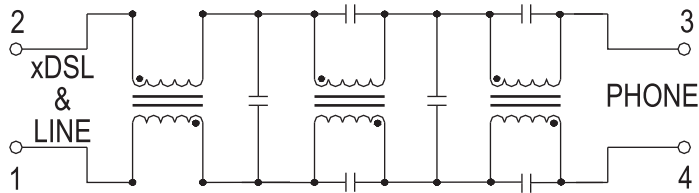
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### Schematic

**B8841NL**



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