

XDSL SPLITTER FILTER MODULE

B8841NL

SmartER series



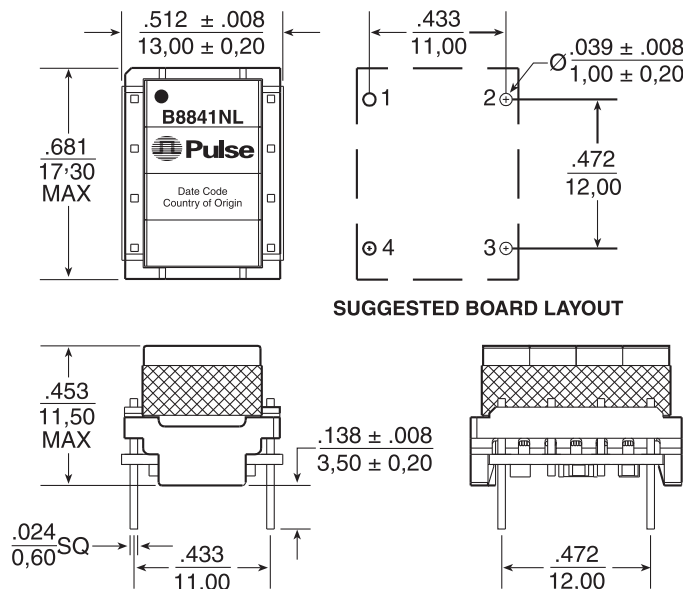
- POTS CO splitter for ETSI 600 Ω ADSL to VDSL2 applications
- POTS CO splitter for China YD/T 1187-2006 ADSL2+ 600 Ω
- LPF matched to 600 Ω impedance
- Metering Pulse 12 kHz to 16 kHz
- Part of a standard series which has footprint compatibility
- Compliant with Broadband Forum TR-127 standard for VDSL2 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 3.4k Hz	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 Hz 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

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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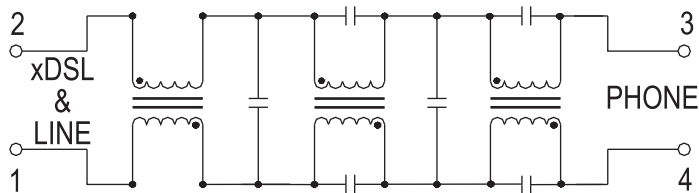


Pulse

A TECHNITROL COMPANY

Schematic

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For More Information:

Pulse Worldwide Headquarters

12220 World Trade Dr.
San Diego, CA 92128
U.S.A.

www.pulseeng.com

Tel: 858 674 8100
Fax: 858 674 8262

Pulse Europe

Zeppelinstrasse 15
D-71083 Herrenberg
Germany

Tel: 49 7032 7806 0
Fax: 49 7032 7806 135

Pulse China Headquarters

B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Rd.
High-Tech Zone
Nanshan District
Shenzhen, PR China 518057

Tel: 86 755 33966678
Fax: 86 755 33966700

Pulse North China

Room 2704/2705
Super Ocean Finance Ctr.
2067 Yan An Rd. West
Shanghai 200336
China

Tel: 86 21 62787060
Fax: 86 2162786973

Pulse South Asia

135 Joo Seng Rd.
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia

3F, No. 198
Zhongyuan Rd.
Zhongli City
Taoyuan County 320
Taiwan R. O. C.

Tel: 886 3 4356768
Fax: 886 3 4356823 (Pulse)
Fax: 886 3 4356820 (FRE)

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