

xDSL SPLITTER FILTER MODULE

B8817NL



SmartER Series



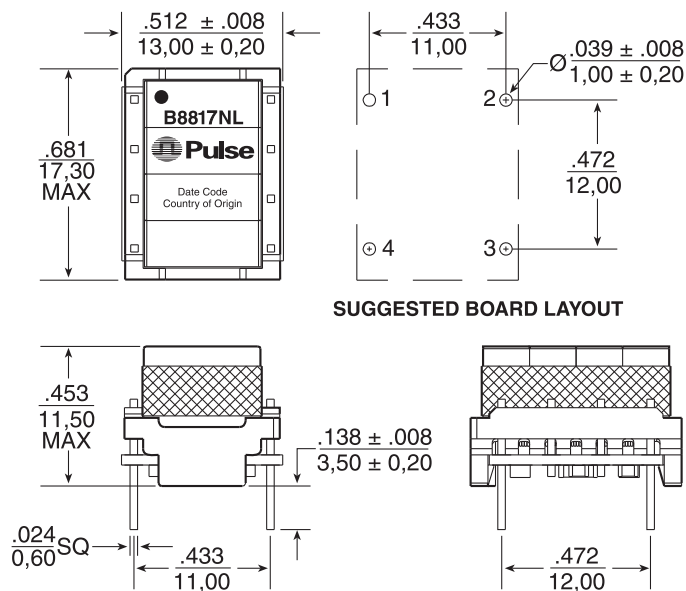
- Ⓜ POTS CO splitter for ETSI 600 Ω ADSLto VDSL2 applications
- Ⓜ POTS CO Splitter for China YD/T 1187-2006 ADSL2+ 600 Ω
- Ⓜ LPF matched to 600 Ω impedance
- Ⓜ Part of a standard series which has footprint compatibility
- Ⓜ Compliant with Broadband Forum TR-127 for VDSL2 applications
- Ⓜ Patented technology: 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 500Hz / 2.0 kHz to 3.4 kHz	14 dB MIN
	500 Hz to 2.0 kHz	18 dB MIN
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: $\frac{\text{Inches}}{\text{mm}}$

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

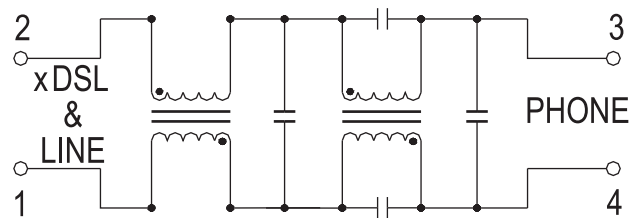
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Schematic

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For More Information:

Pulse Worldwide Headquarters	Pulse Europe	Pulse China Headquarters	Pulse North China	Pulse South Asia	Pulse North Asia
12220 World Trade Dr. San Diego, CA 92128 U.S.A.	Einsteinstrasse 1 D-71083 Herrenberg Germany	B402, Shenzhen Academy of Aerospace Technology Bldg. 10th Kejinan Rd. High-Tech Zone Nanshan District Shenzhen, PR China 518057	Room 2704/2705 Super Ocean Finance Ctr. 2067 Yan An Rd. West Shanghai 200336 China	135 Joo Seng Rd. #03-02 PM Industrial Bldg. Singapore 368363	3F, No. 198 Zhongyuan Rd. Zhongli City Taoyuan County 320 Taiwan R. O. C. Tel: 886 3 4356768 Fax: FRE 886 3 4356820 Pulse: 886 3 4356823
www.pulseeng.com Tel: 858 674 8100 Fax: 858 674 8262	Tel: 49 7032 7806 0 Fax: 49 7032 7806 135	Tel: 86 755 33966678 Fax: 86 755 33966700	Tel: 86 21 62787060 Fax: 86 2162786973	Tel: 65 6287 8998 Fax: 65 6287 8998	

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