

XDSL SPLITTER FILTER MODULE

B8849NL

SmartER series



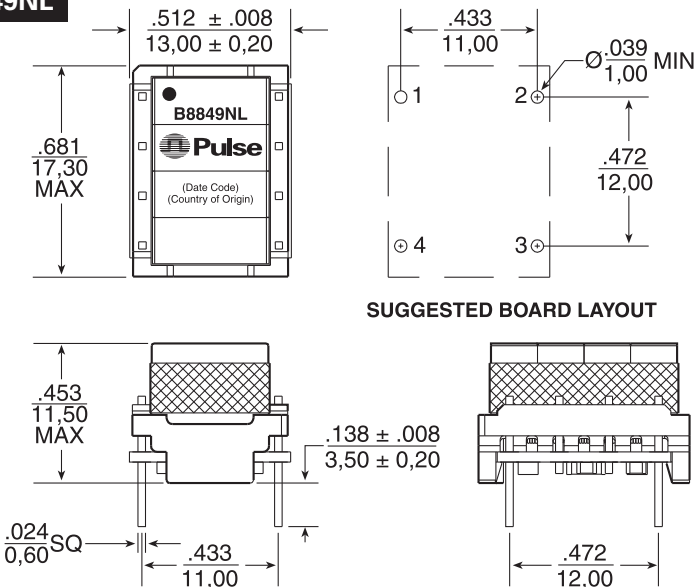
- POTS CO Splitter for standard ADSL/VDSL2 (ITU-T G993.2) applications
- LPF matched to ETSI complex impedance ($Z_L = 270 \Omega + 750 \Omega/150 \text{ nF}$) and to option A of ETSI specification TS 101-952-1, v1.1.1
- Part of a standard series which has footprint compatibility
- For ADSL, ADSL2+, VDSL and VDSL2 applications
- 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	100 Hz to 4 kHz	270 Ω + 750 Ω /150 nF
POTS Insertion Loss	1 kHz	1.0 dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200 Hz to 4 kHz	1.0 dB MAX
	300 Hz to 3.2 kHz	12 dB MIN
POTS Return Loss	3.2 kHz to 3.4 kHz	11.5 dB MIN
	3.4 kHz to 4 kHz	8 dB MIN
	200 Hz to 4k Hz	200 μ s MAX
POTS Group Delay	50 Hz to 600 Hz	40 dB MIN
Longitudinal Balance	600 Hz to 3.4 kHz	46 dB MIN
	3.4 kHz to 4 kHz	40 dB MIN
xDSL Insertion Loss	32 kHz to 30 MHz	55 dB MIN
DC Current		80 mA MAX
Total DC Resistance		50 Ω MAX

Mechanical

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SUGGESTED BOARD LAYOUT

Weight, 5.0 grams
 Tray, 80/tray

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

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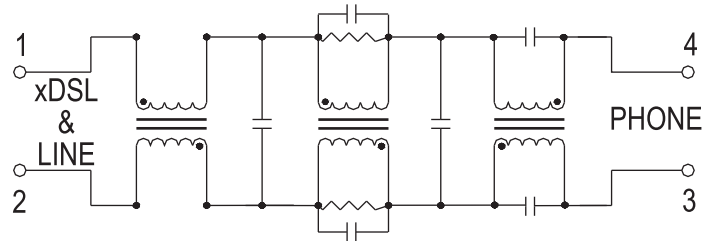
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Schematic

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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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