

XDSL SPLITTER FILTER MODULE

B8859NL

SmartER series



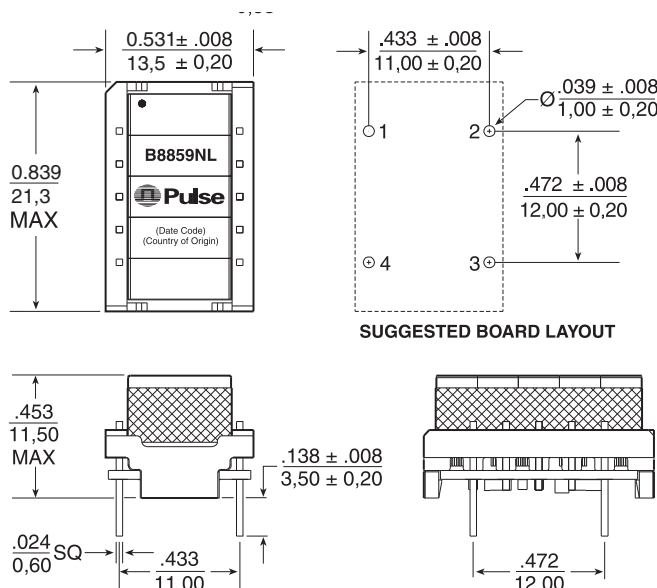
-  POTS CO splitter for standard ADSL / VDSL2 applications
-  LPF compliant with ETSI complex impedance ($Z_L = 270 \Omega + 750 \Omega/150 \text{ nF}$), and option A of ETSI specification TS 101-952-1 v1.1.1, and with the optional requirement, relative to metering pulse at 12 kHz (Clause 6.7)
-  Part 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	$270 \Omega + 750 \Omega / 150 \text{ nF}$
POTS Insertion Loss	1 kHz	1 dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200 Hz to 4 kHz	1 dB MAX
POTS Return Loss	200 Hz to 3.4k Hz 3.4k Hz to 4 kHz	12 dB MIN 8 dB MIN
POTS Group Delay	200 Hz to 4 kHz	200 μs MAX
Longitudinal Balance	50 Hz to 600 Hz 600 Hz to 3.4 kHz 3.4 kHz to 4 kHz	40 dB MIN 46 dB MIN 40 dB MIN
xDSL Insertion Loss	32 kHz to 30 MHz	55 dB MIN
DC Current		80 mA MAX
Metering Pulse	12 kHz	3 dB MAX
Total DC Resistance		50 Ω MAX

Mechanical

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Weight 5.0 grams
Tray80/tray

Dimensions: $\frac{\text{Inches}}{\text{mm}}$
Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

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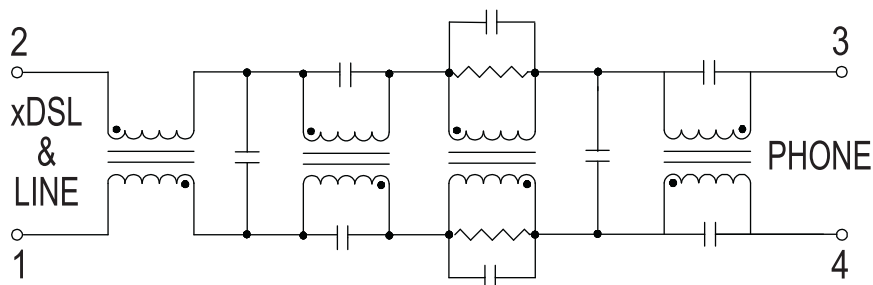
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A TECHNITROL COMPANY

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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