

XDSL SPLITTER FILTER MODULE

B8891NL

SmartER Series



Pulse
A TECHNITROL COMPANY



- Ⓢ POTS CO Splitter for China YD/T 1187-2006 ADSL2+ 600 Ω applications
- Ⓢ LPF matched to 600 Ω impedance
- Ⓢ Part of a standard series that has footprint compatibility
- Ⓢ For ADSL, ADSL2+ and VDSL 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	200 Hz to 4 kHz	600 Ω
POTS Insertion loss	1 kHz	0.3 dB MAX
POTS Insertion Loss Distortion relative to 1 kHz	200 Hz to 4 kHz	0.3 dB MAX
POTS Return Loss	300 Hz to 500 Hz/2 kHz to 3.4 kHz	14 dB MIN
	500 Hz to 2 kHz	18 dB MIN
POTS Group Delay	200 Hz to 4 kHz	150 μ s MAX
Longitudinal Balance	50 Hz to 600 Hz	40 dB MIN
	600 Hz to 3.4 Hz	46 dB MIN
	3.4 kHz to 4 kHz	40 dB MIN
xDSL Insertion Loss	30 kHz to 138 kHz	45 dB MIN
	138 kHz to 2.2 MHz	55 dB MIN
	2.2 MHz to 12 MHz	35 dB MIN
Tip-to-Ring Capacitance		20 nF MIN 115 nF MAX
Tip-to-Ring Insulation Resistance		5 M Ω MIN
DC Current		100 mA MAX
Total DC Resistance		25 Ω MAX

The mechanical and schematic are on the next page.

XDSL SPLITTER FILTER MODULE

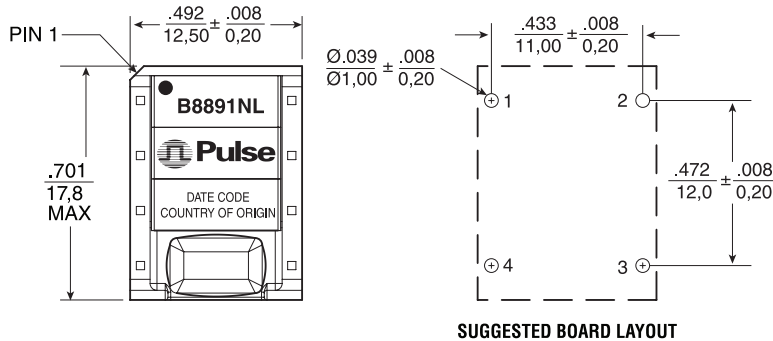
B8891NL

SmartER Series



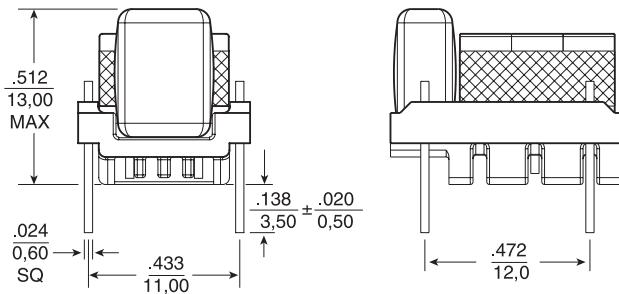
Mechanical

B8891NL



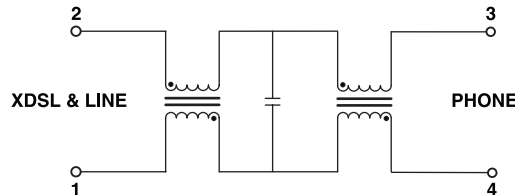
Weight 5.0 grams
 Tray 80/tray

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



Schematic

B8891NL



For More Information:

Pulse Worldwide Headquarters
 12220 World Trade Dr.
 San Diego, CA 92128
 U.S.A.
www.pulseeng.com

Pulse Europe
 Zeppelinstrasse 15
 D-71083 Herrenberg
 Germany

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

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

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

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

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

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

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

© Copyright, 2010. Pulse Engineering, Inc. All rights reserved.