



# THE DATASHEET OF B8845NL



# XDSL SPLITTER FILTER MODULE

## B8845NL







SmartER Series



# Pulse

A TECHNITROL COMPANY



-  POTS and ISDN CO splitter for standard ADSL / VDSL2 applications
-  LPF compliant with ETSI specification TS 101-952-1-4, v1.1.1 matched to DT Complex Impedance ( $Z_R = 220 \Omega + 820 \Omega / 115 \text{ nF}$ ) and ISDN 4B3T
-  Part of a standard series with 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	
ISDN Impedance	1 kHz to 80 kHz	150 $\Omega$
ISDN Insertion Loss	1 kHz to 60 kHz	1.2 dB MAX
	60 kHz to 80 kHz	2.0 dB MAX
ISDN Return Loss	1 kHz to 60 kHz	16 dB MIN
	60 kHz to 80 kHz	14 dB MIN
POTS Impedance	200 Hz to 4 kHz	( $Z_R = 220 \Omega + 820 \Omega / 115 \text{ nF}$ )
POTS Insertion Loss	@ 1 kHz	1.0 dB MAX
POTS Insertion Loss Distortion	200 Hz to 4 kHz	1.0 dB MAX
POTS Return Loss	300 Hz to 1.6 kHz	15 dB MIN
	1.6 kHz to 3.4 kHz	12 dB MIN
POTS Group Delay Distortion	200 Hz to 4 kHz	<200 $\mu\text{S}$
Longitudinal Balance	50 Hz to 30 kHz	40 dB MIN
	30 kHz to 1104 kHz	50 dB MIN
	1104 kHz to 30 MHz	30 dB MIN
xDSL Insertion Loss	138 kHz to 150 kHz	55 dB MIN
	150 kHz to 1.1 MHz	65 dB MIN
	1.1 MHz to 30 MHz	55 dB MIN
ISDN Group Delay Distortion	1 kHz to 80 kHz	<20 $\mu\text{S}$
Metering Pulses	12 kHz and 16 kHz	3 dB MAX
DC Current		80 mA MAX
Total DC Resistance		5.8 $\Omega$ MAX

Mechanical and schematic on following page . . .

# XDSL SPLITTER FILTER MODULE

## B8845NL

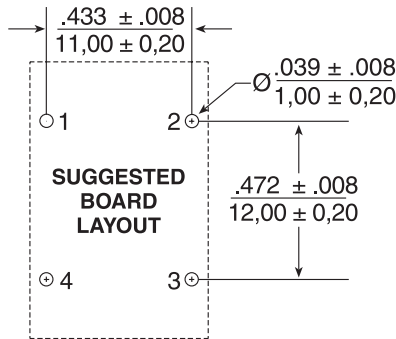
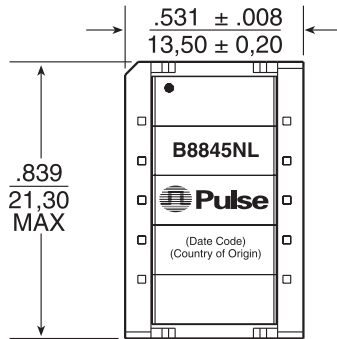
SmartER Series



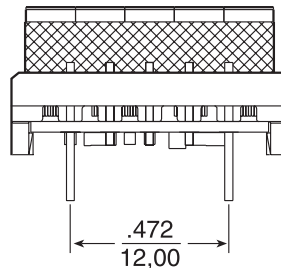
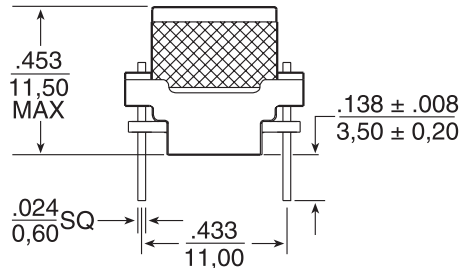
**Pulse**  
A TECHNITROL COMPANY

### Mechanical

**B8845NL**

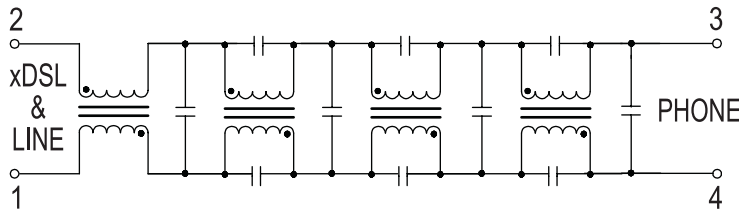


Weight ..... 8.0 grams  
 Tray ..... 80/tray  
 Dimensions: Inches  
                   mm  
 Unless otherwise specified,  
 all tolerances are ± .010  
                                   0,25



### Schematic

**B8845NL**



### 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)

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.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View B8845NL on WIN SOURCE](#)

 [Pulse Information](#)

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management